

## SEQUENCE LISTING

<110> Corixa Corporation  
 Xu, Jiangchun  
 Dillon, David C.  
 Mitcham, Jennifer L.  
 Harlocker, Susan Louise  
 Jiang Yuqun  
 Reed, Steven G.  
 Kalcs, Michael  
 Fanger, Gary  
 Retter, Mark  
 Solk, John  
 Day, Craig  
 Skeiky, Yasir A.W.  
 Wang, Aijun

<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 DIAGNOSIS OF PROSTATE CANCER

<130> 210121.42720PC

<140> PCP

<141> 2000-11-09

<160> 551

<170> FastSEQ for Windows Version 3.0

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<211> 814

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> {1}...(814)

<223> n = A,T,C or G

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<211> 816

<212> DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

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&lt;223&gt; n = A,T,C or G

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&lt;211&gt; 773

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; {1}...{773}

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 3

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&lt;211&gt; 828

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; {1}...{828}

&lt;223&gt; n = A,T,C or G

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## &lt;210&gt; 5

&lt;211&gt; 834

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

## &lt;220&gt;

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&lt;222&gt; (1)...(834)

&lt;223&gt; n = A,T,C or G

## &lt;400&gt; 5

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## &lt;210&gt; 6

&lt;211&gt; 818

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

## &lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(818)

&lt;223&gt; n = A,T,C or G

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&lt;210&gt; 7

&lt;211&gt; 817

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(817)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 7

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&lt;210&gt; 8

&lt;211&gt; 799

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(799)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 8

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<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...[789]
<223> n = A,T,C or G

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<211> 772

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 <213> Homo sapiens  
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 <223> n = A,T,C or G

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 accaacaggc cacatcctga taasaggtaa ggggggggtg gatcagcaaa aagcacagtgc 180  
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 ctacattaaa cgaagctgca ggttaagggt cttanagatg ggaacaccag tgaactgagt 360  
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 accccgggac cccnaggggg gttaacagga ancnaggnaa catggacccc aattnaggca 720  
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 <223> n = A,T,C or G

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 ttggctgtgtc tgggtgagctt gctattgcaa cagaatgggg gaaaggcact gttctcttgg 180  
 aagtanagtg agtctctaaa atccgtatag ttggtgaagc cacagcaact gagcccttcc 240  
 atggttggtt tccacacttg agtgaagtct tcttgggaac cataactctt sttgaatgga 300  
 ggcactacca gcaagctcag ggaagtgtc gtgtacacca agcgacacac 360  
 agcagctgcn accctcagcaa tgaagatgan gaggagatg aagaagacag tcnagggggc 420  
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 <223> n = A,T,C or G

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ctgtctgggt	cagccctgtt	ggcagtgagg	atctgggtgt	caatcgatgg	ggcatccttt	240
ctgaagatct	tggggcccat	gtcgtccagt	gacctgcagt	ttgtcaacgt	gggtactctt	300
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gaggttgaca	tgcctgggtc	gcttgggtgt	acaccccaat	ggctgagcac	ttctcagcgt	480
tgtctggta	gcttcgcctc	aanaaaagat	catgggttcc	caggaaactc	tcactcaagt	540
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gaagatcac	ctacttcaaa	gaaaaagctg	cttttccccc	attttgtgtg	caattgacaa	660
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&lt;210&gt; 14

&lt;211&gt; 816

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&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(816)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 14

tgtcttctct	caaaagtgtt	cttgttgcca	taacaacrac	cataggttaa	ggggggcag	60
tgttgcctga	aggggttgta	gtaccagggc	gggatgtctc	ccttgacagag	tctctgtctc	120
ggcaggtgca	cgcagtgccc	tttgtcactg	gggaatatga	tgcgctggag	ctcgtcaaa	180
ccactgtgtg	atttttcaca	ggcagcctcg	tccgacgcgt	cggggcagtt	gggggtgtct	240
tccactccca	ggaaactgtc	natgcagcag	ccattgtctc	agcggaactc	ggctggctga	300
caggtgcag	agcacactgg	atggcgcttt	tccatgtnan	ggggcctgng	ggaaagtccc	360
tgancccan	anctgctct	caaaagcccc	accttgacac	cccgcacag	ctagaatgga	420
atctcttccc	cgaaaggtag	ttnttcttgt	tgcacaancc	anccctaat	acaaactctt	480
gcacatctgc	tccggggggg	tctantanc	anctgtggaa	aagaaacccc	ggcngcgaa	540
caanctgtgt	tggatnecaa	gcataactct	ncatctctgc	tgggtggaca	gcacacanta	600
ctgttnanct	ttagnccctg	gtcctctgtg	gttgnncttg	aaacctaatc	ccnmtcaact	660
gggacaaggt	aahngccct	cctttnaatt	ccnmanctn	cctcctggtt	tgggggtttc	720
cncctccta	cccagaaan	ncctgttctc	cccccaacta	ggggccncaa	ccnmttatct	780
cacaaacctn	ccccccccc	gggttcnctg	gggtng			816

&lt;210&gt; 15

&lt;211&gt; 783

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(783)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 15

ccaaggcctg	ggcaggcata	nacttgaagg	tacaaccccc	ggaaacctcg	gtgctgaagg	60
atgtggaana	cacagattgg	gcctactctc	ggggtgacac	ggatgtcag	gtagagagga	120
aagaaacaaa	ccaggtgaaa	ctgtggggac	ccactagaaa	caactacctg	ctcagctga	180
gagtgactag	ctcagaccac	ccagaggaca	cggccaaagt	cacagtccct	gtgtgtctcc	240
ccagacagac	agaaagctac	tgcctgcgat	ccaaacaagt	gggtgtgtgc	cggggctctt	300
tccacagctg	gtactatgac	ccacaggagc	agatctgcaa	gagtttcgtt	atggaggctt	360

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ggttgggcaa caagaacaac taacttgggg aagaagagtg catttclanc ttctnggggtg 420
tgcgaagggtg ggcctttgana ngcanctctg gggctcangc gactttcccc caggggcccc 460
ccatgggaag ggcctatcca ntgtctctctg gcacctgtca gccacccag ttccgtgtca 540
ncaatgggtg ctgtgatcnac anittctctg aatttgtgaa acacccccca ntgcctccaa 600
ccctcccaac aaagctcccc tgttnaaaaa tacnccantt ggccttttnc aaacncngg 660
cncctcncnt ttcccnntn aacaaagggc nctngctttt gaactgcccn aacccnggaa 720
tctncnngg aaaaaatncc ccccttgggtt cctnnaance cctcncnaa anctncccc 780
ccc 783

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&lt;210&gt; 16

&lt;211&gt; 801

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (11... (801)

&lt;223&gt; n = A, T, C or G

&lt;400&gt; 16

```

gccccaaattc cagctggcac accaccacag gtgactgcat tagttcggat gtcatacaaa 60
agctgattga agcaaccctc taacttttgg tegttagcct ttgtcttggc gaaggtttca 120
ttggctgtgt tgggtgacgtt gtcattgcaa cagaatgggg gaaggcactt gttctctttg 180
aagttaggggt agtctctcaa atcgttatag ttggtagaag caccagcautt gagccttttc 240
atgggtgggtt tccacacttg agtgaagtct tctgggaac cataatcttc ctgtatggca 300
ggcactacca gcaacgtctg gaagtgtctc gccatrtgtg tgtacaccaa ggagaccaca 360
gcagctgcaa cctcagcaat gaagatgagg aggagatga agaggaactt cncgaggcca 420
cacttgcctt cctctttagc accatagcag cccangaaac caagagcaaa gaccacaacg 480
cncgtctgga atgaagaasa ntacccacgt tgacaaacty catggccact ggacgacagt 540
tgccccgaan atcttcagaa aagggatgcc ccatcgattg saacacccaa tgcaccactc 600
cnacagcgtt gcncccnch gaaagaatga gacattttaa aaggaacttc ntgtgtctta 660
tgaactgaaa ccttgctagg tgggcctctt tccaggtctt tggcagttaa ttctganaaa 720
aaggaacncc nttagcccc caaangana aaacaccccc ggggtgttgc ntgaatttgc 780
ggcaaggan cctggcccn g 801

```

&lt;210&gt; 17

&lt;211&gt; 740

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (11... (740)

&lt;223&gt; n = A, T, C or G

&lt;400&gt; 17

```

gtgagagcaa ggcgtccctc tgcctgcccc ctcagtgcaa acacccggga gctgttttgt 60
ccctttgtgga gctctagcag ttctctcttt cagaactcac tgcacagagc cctgaacagg 120
agccaccatg cagtgcctca gcttcattaa gacactgat acctcttca atttgctcat 180
cttctctggt ggtgcagccc tgttggcagt gggcatcttg gtgtcaatag atggggncat 240
cttctggaag atcttccggc cactgtctgc cagtgtccat cagtttgtca acgtgggcta 300
cttctccatc gacgcggggc ttgtgtcttt tgcctctgggt ttctctgggt gctatctgtc 360
taagacggag agcaagtgtg cctctgtgac gttcttcttc atccctctcc tcacttctat 420
tgcagaaatt gcagctgctg tgggtgcctt ggtgtacacc acaatgggtc aaccattctt 480
gaagttgtgt gtantgcct ccatcaanaa agaktatggg ttcacaggaa aaactcaact 540
aanttcggaa cccnccctg aaaaagggctt caatttctgn tggcttcccc aactatacgg 600
gaattttgaa agantcccc tacttccaaa aaaaaaant tgccttttnc cctnctctgt 660
tgcaatgaaa amctccaan acngccaatn aaacctgtcc cmncaaaaaa ggatcnaaaa 720

```



caaaaaaaaaa nnaaggggttn

740

<210> 18  
 <211> 802  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)... (802)  
 <223> n = A,T,C or G

&lt;400&gt; 18

cogctgggttg	cgtctgggtcca	ggnnagccac	gaagcaagtc	agcatacaca	gocccaatca	60
caaggtcttcc	cagctggccgc	acattacgca	gggcaagagc	ctccagcaac	actgcatatg	120
ggatacaactt	tacttttagca	gccagggtga	caactgagag	gtgtcgaaag	ttattctctct	180
gagcctctgtg	tatggaggga	agattccggg	cttcagctaa	ctagtccagc	tatgtcccat	240
aagcaaaacac	tgtgagccgc	gggaaggtag	aggaacaagc	actctcaguc	agctctctaa	300
caattggggcat	gtccagcagt	tctccaaaac	cgttagaacac	agngggctcc	agcaactgat	360
ggatgagtgt	ggccagcgtc	gcccccttgg	cgcacttggc	taggagcaga	aattgctcct	420
ggttctgtcc	tgtcaccttc	acttcgcgac	tcataactgc	actgagtgtg	ggggactctg	480
gttcaggagtg	tccagagagc	tggttccgac	ccttcnctta	atgaccccg	ccanccaaac	540
gtcggctctcc	gccgattg	ttcgtctgtc	ctgggtccgg	gtctgctggc	cnctactctg	600
aanctctgttc	ngggccatgg	aattccacnc	accggaactn	gtangatcca	ctnnttctat	660
aaacggcgcc	ccacgcnnct	ggaaactccac	tcttnttccc	tttacttgag	ggttaaggct	720
acccttinnag	ttactctggg	ccaaacnctn	cctgtgtgtg	anattgtnaa	ctngggncna	780
tnccaaacnc	atangaagcc	ng				802

<210> 19  
 <211> 731  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)... (731)  
 <223> n = A,T,C or G

&lt;400&gt; 19

cnaagcttcc	aggttnacggg	cgcnaaanc	tgacccnagg	tancanaaag	cagnnongcg	60
gagcccaacg	tcaaggngng	ngtcttttat	nggagggggc	ggagccacat	cnctggatnt	120
cctgacccca	actcccccna	noncautgca	gtgatgagrg	cagaactgaa	ggtnacgbyg	180
caggaaaccaa	gancaaannc	tgctcnnctc	caagtcggcn	naagggggcg	ggctggccac	240
gcnctccnt	cnagtgtctg	aaagccccc	cctgtctact	tgtrttggag	acngcnngag	300
catgcccag	gttanataac	ngggngagag	tnanttttgc	tcctccctcc	gggtgcgcac	360
ggagtatgct	tggggagacat	aacctgacta	cttaactgaa	ccnnagaate	tnccnccctc	420
ccantagctg	cagaaacaaa	aacttcgnaa	ccactcnnct	gtcaactgnc	tgcacaagta	480
aagtgtaccc	catncccaat	gtntgctnag	ngctctgncc	tgcntrantg	tgggtctctg	540
gaagacactat	caattnaagc	tatgtttctg	actgcctctt	gtcctctgna	acaanccacc	600
cnmnnctcca	aggggggggac	ggcccccac	cccccccaac	ntnaattnan	tttancccc	660
cccccnggac	gggcttttta	caanctnnn	nnaacnggna	aaacccnngc	tttcccacac	720
nnaatccncc	t					731

<210> 20  
 <211> 754  
 <212> DNA  
 <213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 20
tttttttttt tttttttttt taaaaacccc cccatttnaa tgnaaacttc cgaattgttc      50
baaccccccc ntccaaatnn cennltccgg gnygggggttc caaacccaan ttannnttgg      120
annntaaatt aaattnttnt tggggggnnaa anccnaaagt nangaaagtt aaaccacata      180
ttnacttnaa tncctggaaa ccngtngntc ccaaaaaatt ttaacccctta antccctccg      240
aaatngttina gggaaaaacc aaattctcnt aaggttcttt gaaggtctnaa tnaaaaaacc      300
nnccaattgt ttttngccac gctgaaltta attggntccc gntgttttcc nttaaaaana      360
gggnancccc gggtantnaa tccccccnnc ccaattata ccganttttt ttngaatctg      420
ganccnccgg gaattaacgg ggnnnntccc tnttgggggg cnggnccccc cccctcggg      480
ggtingggac aggnccnaat tgtttaaggg tccgaaaaat cctccmaga aaaaaanctc      540
ccaggttgag nntgggggtt hccccccccc cangggccct ctcgnaaagt tgggggtttg      600
ggggcctcgg atttcttttc cctatctacc tccccccccc cctggganaag aggttnggtt      660
rttgnccnnc ggcccccncn aaganccttn ccganttnan ttaaatccnt gcttngggga      720
agtcctttgn agggntaana ggcctccctn cggg
                                     754

<210> 21
<211> 755
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 21
atcancncat gaccccaaac aggggacncc tcancnccgc nnaacnccnc cggccnctca      50
nagtnagncn actcncnttn nctccnccnc cncnactcac gcccnccnnc cncgcnccta      120
nnccanctcc actganogcg cganctngan ngagaanaat nataccanag nccacnacta      180
ccagctgtcc nanaagcctc nnnatacngg nnnatccaat ntgnanccctc cnaagttatn      240
nnccnccnat gattttccn abccgattac cctncccccc tancctctcc ccccaacna      300
cgaaggcncct ggncncaagg nngcgcncnc ccgctagntc cccnccaagt cncncccta      360
aactcancn natcaoncg tctntgagta tcactonccg aactcaaccc tactcaactc      420
aaaaaactcu gatacaaat aatncaagcc tgnntatnac actntgaact ggtttctatt      480
ttaggggtcc ctnaancctc ctaatacttc cagttcncct tcnccaattt cmaanggtt      540
ctttcngaca gcatnttttg gttcccnntt ggggtcttan ngaattgccc ttcntngaac      600
gggctcncct tttctctcgg tctnccctgg ttcncccgcc cagttattat ttcrcntttt      660
aaattctcnc cttctanttt tggccttcna aacccccccc cttgaaaaag gcccccctgg      720
aaaaggttgt tttyanaaaa ttttgytct gttcc
                                     755

<210> 22
<211> 849
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(849)
<223> n = A,T,C or G

<400> 22
tttttttttt ttttttngtg tngtctgtca ggttagaggtt taactaanaa gtgaanagct      60
acgtctggan taangggacc cyantcttag gannccctt aaactcaaac tgtgaagatn      120

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atctctgtnna	cggaanggtc	acggngngat	nnctctaggg	tgncnctcc	cannctctn	180
cataactcng	nggcctctgc	caaccactto	ggcgcccnng	ngncggggcc	cgggtcattn	240
gmnttaacn	caethnagcn	ncggtttccn	ncccnncng	acccngggca	tcgggggttn	300
tctgtctcc	cctgnagncn	anaaantggg	cncggggccc	ctttaccctt	nnacaaagca	360
cnccntcta	ncmccngcc	ccctccant	hggggggact	gcnnangct	cggtnctng	420
nnacccnmm	gggtneetcg	gttgtcgant	cnaccngang	ccagggatto	cnaaggaagc	480
tgctgtnttg	gccctaaccc	ttcgtctcgg	nnacccttc	ccgacnanga	ncgctctccg	540
cnmccngng	ctctnctcg	caacacccgc	ntctctngt	ncggnaacc	ccctaccgcc	600
acccctcnc	ngncgnancn	ctcncncc	gtctcannca	ccaccccgct	cgcgcaggcc	660
ntcancncc	ggngagcnng	nagcncmtc	gcncggcgcn	gcgncnccct	cgcncngaca	720
ctnctcngg	ccantcnccg	tcaancnma	cnaaacggcg	ctggcgggcc	cgnagggccc	780
ncctcnccga	gtccctcccg	cttcnnaacc	angnttccn	cgaggacnca	nnaccccgcc	840
nnccngcgg						849

&lt;210&gt; 23

&lt;211&gt; 872

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(872)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 23

gcgcacaacta	tacttcgctc	gnactctgtc	gcctctcttc	tctttccctc	cgcaaccatg	60
tctgcacnanc	cggatctggc	ngatctcnan	aagntctganc	agctccaaact	gantaacaca	120
cacacnccan	aganaaatcc	ncctccctcc	anagtanacn	attgaacung	agaaccangc	180
nggcgaatcg	taathnagcg	tgccgcgcga	atntgtcncc	gtttattntn	ccagcttccc	240
ctncnnaacc	tactctctcn	naetctgtcn	acccctctgt	cgnaccctcc	naggtctggga	300
tcgggttttn	nttgaccng	cmccctcc	ccctctccat	nacgancncc	cgcacaccac	360
nanngcnccg	accccgncct	cttcgcnccc	ctgtctctnt	ccctctgtng	ctggcncngn	420
accgcatlga	ccctcgcncc	ctcnmngaaa	ncgnanaagc	cggggttgnn	annanccgct	480
tggggnngcg	tctgcncgc	gttcctctcn	ncnctctcca	ccatcttctc	tacngggctc	540
cncgcctctc	tcnncacncc	cctgggagcg	taccctntgc	ccctctnac	tccccctct	600
cgcgtgtnc	cgncccccac	ntcatttnc	nacgntcttc	acaaanncca	ggntnctcc	660
cnanngcnnc	gtcancnng	ggaaagggng	ggmncnntg	nttgacgttg	ngngangctc	720
cgaanantcc	tcnctctcan	cnctaccctc	cggggcgncct	ctcngttncc	saactnanaa	780
ntctccctcg	agngcncncc	tccagctctc	cncnccnct	ctctgcantg	tactctctcc	840
tnacnnttac	gantttctgn	cncctcttt	cc			872

&lt;210&gt; 24

&lt;211&gt; 815

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(815)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 24

gcctgcaagc	ttgagttatc	tatagngtcc	ccataaatanc	ttggntaat	catggtctnta	60
ncnctctcc	tgctgcaaat	gtatccnanc	tanataigaa	tctnatniga	caagngngta	120
tctnctnctc	gtacaaantg	tnatgtccat	cctgtnganc	caatctccca	tnnatrncgn	180
cgcattcnch	gcncctctn	taatngggaa	ntcmnctnn	ncacnccnct	ctatctntcc	240
gcncctctac	tggnagagat	ggatnancct	tnntntgac	nacatgttca	tcttggtatn	300
aanancncc	cgcncncc	cgtgtngng	cnagcncct	ccagacctc	cctgtggaggt	360

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aacctcgctc agannccatca aacntgggaa aacccgcmcc angtnnaagt ngnnncanan 420
gatcccgctc aggnntkzacc atccctttno agcgcccccct ttrgtgcctt anagngnagc 480
gtgtccnanc cncctcaacat ganacgcgcc agbocanecg caatttggca caatgtcgnc 540
gaacccccta ggggggancna tncaaanccc caggatrtgc cncncangaa atccncanc 600
ccnccctac cncncttggg gacnltgacc aantcccga gthccagtc gccccngctc 660
cccccccggt nncnctgggg ggggtgaanct cngnntcanc cngncagagg ntcnnaagga 720
ccccggcctn ggnncaanng ancnntcnga agncccnct cgtatacccc cccctcncca 780
nccnancgt agntcccccc cngggthcgg aangg

```

```

<210> 25
<211> 775
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)... (775)
<223> n = A,T,C or G

```

```

<400> 25
cggagatgct togtctcgtg gccttagctg tgcctcgctt actctctctt tctggcctgg 60
aggtatccca gcttatccca aagattccagg tttactcagc toatccagca gagaatggaa 120
agtcgaattt cctgaattgc tatgtgtctg ggttctatcc atccgacatt gaanttgact 180
tactgaagaa tgganagaga atgaaaaaag tggagcattc agacttgtct ttccgcaagg 240
actggctctt ctatctctgt tactacacbt aattcacccc cactgaaaaa gatgagtatg 300
cctgcctgtt gaacccctgg actttgtcac agcccagat agttaagtgg gatcgagaca 360
tgtaaagcag cncnctggaa gtttgaagat gccgcatttg gattggatga attccaaatt 420
ctgttgctgt gnttttaaat antgatargo ntatacacc taccctttat gnceccaaat 480
tgtagggggt acatnancgt tonentngga cgtgatcttc ctttataant cncncttgc 540
aattgcctgt cncnctgntn ngaatgttcc cnaaaccccg gtttgcctcc ccaggtcncc 600
tcttaaggaa gggcctgggc ccttttncaa ggttggggga accnasaatt tcnctnttgc 660
cncnccncca cnccttggag nncnancatt ggaaccttc cnattcnctt tggcctcnna 720
nccctnctta aaaaaactn aaanngtngc naaanntttn acttcccccc ttacc 775

```

```

<210> 26
<211> 820
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)... (820)
<223> n = A,T,C or G

```

```

<400> 26
anattantac agtgtaatct ttcccagag gtgtgtanag ggaacggggc ctaggagcat 60
ccanagagata ncttazanca acagtgcilt gacccaagag tcttgggcac atttctgca 120
gaaaaagggg cggctcccac cactcctcct ctcccatago catcccagag ggtgtagtag 180
ccatcagccc ttccgtggga gggagtcan gaaacaaan accacagagc anacagacca 240
ntgatgacca tggggcgggg cgaagctctt ccttgnacbt ggggtggcna nganagctta 300
nctgaggggt cactctataa agcttaacga ccsagatnan cacttgcctc aaghtacccc 360
ttcctacctg acnccagagg acnnanaact gmgccttccc gaagagncbt gganagacta 420
amnnagcact cacttgcctc cccatggccc tncgntccc tggctctgnc aaggggaact 480
ccctgttggg actnccggga naacaaagga nccccctct ccanctgtga aggaaaaaam 540
gatggaaatt tncctctcgg gccnntccc ttctctctta cagccnctt nctactctc 600
tccctcintt nccctgnacc acttttnaac ccmnnatttc ccttmatga tgganncctn 660
ganattccac tnnccctncc cmtcnatng naanacnaaa nactatctna ccmnggggat 720
gggnnccctg nctactctct ctcttctnct aacnccnctt acttgcctct ccttngatca 780

```

tccaaacntc gntggccnta cccccccnnn tcccttcccc

820

<210> 27  
 <211> 818  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (818)  
 <223> n = A,T,C or G

<400> 27  
 tctgggtgat ggctctcttc tctccagggg cctctgactg ctctggggca aagaatctct 60  
 tgtttctctt cccagacccc ggctagcggg attcagccct gcccaacctg attctgarga 120  
 ctgcggatgc tgtgacggac ccagggggca aatagggttc caggggtccg ggaggggcgc 180  
 ctgcgtgagca cttccggccc taccctggcc cagccctgcg catgagctct gggtctgggtc 240  
 tccgctccca ggggtctgct cttccangca ngccacacag tggcgttggg ccacactggc 300  
 tctctctgcg cccctcccg gctctganc cctgtcttcc tgcctgtgc angcctctg 360  
 gactctagtt tccctctctc anagaaactct gttctctgann tctctcanta acctgactt 420  
 tctnaccnan tggctgttnc tgtctnactt taatggggcc gaccggctaa tccctctctc 480  
 actcctctcc antctnanna accnctctnc cctctctctc cctnctcccg cccggggaaac 540  
 ctctctctcc cttaaccang gccnnnaccg cccctnctct gggggggcng gtnctctnnc 600  
 ctgctnctcc cctctnctct tctctctctc cctnctctcc nngcctctc nctgctctcc 660  
 tctctctctc ngctctctna ngctctctna tctnctctcc ngctctctcc tccctctctc 720  
 cctctctctc tctctctctc nctnctctcc nctnctctcc ngctctctcc tctctctctc 780  
 cctnctctcc ngctctctc cctctctctc cctctctctc cctctctctc 818

<210> 28  
 <211> 731  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (731)  
 <223> n = A,T,C or G

<400> 28  
 aggaaggcgc gagggatatt gtanggggatt gagggatagg agnataangg gggagggtgc 60  
 tccaaacatg anggtgnggt tctcttttga angagggttg agtttttann ccnggtgggt 120  
 gattttaaacc cattgtatgg agnnaaaggc tcttaagggtat ctctggccc tctatcgatc 180  
 ntanactcct gtnaatcgga aaatnactct tctnctngaa aactntgtct ccatctgnaa 240  
 atttctcccg ggtagtgcct ntnggggggn cngccangct tcccaggctg ctanaactgt 300  
 actaaagntc naagtgggan tncaaatgaa aactctnctc agagmctcc tcccgactg 360  
 tctnctctct tccctctctc actctctctc agcccaatcc cctnctngnat gctnctctng 420  
 nngcgtctcc tgaannnnc tctnggtctn gactatcang ggggttctga tcaaaaggcn 480  
 cgttctctat naaggcactt tggctctctc caactctctg cctctctctc ttingcctgc 540  
 nggtctctct accctctctg cctctctctc gactctctc cctctctctg naactctctc 600  
 gnaatgggta gggctctctc tcttctctctc ggggtctctc aactctctc cctctctctc 660  
 tctctctctc cctctctctc cactctctc gggctctctc gctctctctc cctctctctc 720  
 nctctctctc c 731

<210> 29  
 <211> 822  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)... (822)  
 <223> n = A,T,C or G

<400> 29  
 actagctccag tgtggtggaa ttccattgtg ttgggggncc tctatgagt antntttagat 60  
 cgtctacnacc tcaacnctc cnaacnango ctataangaa nannaataga nctgtcnmt 120  
 aintntaacc tcatannctt cnaacnccac tccctcttaa cctactctgt gctcatnngc 180  
 tnnctattct nctgcoctn cnaacnccac gtgggcnac cncnngnatt ctctatctcr 240  
 tencatntn gcttananta ngtnccatac ctatacctac nccatgtcta mntctaancn 300  
 tccatnmtt annstaacta ccatcgact ngactttcnc atnancctt aatttgaatc 360  
 tactctgact cccacngctt annnattagc anctctccc naenatntct caaccaaactc 420  
 ntcaacaacc tctctancgt tctnccaaac ntnctctcc atcccnnac aacccccctc 480  
 ccaaatcccc nccactcgac nccaaacccn caccatccc gcaagccnna ggcattttan 540  
 cccctggact cccatngga naaaaaaac cnaactctc tcnctnnat ctctctana 600  
 aatnctctn naatttaact ncaantccat caanccccc tgaacnnaa cccctgtttt 660  
 ranactcctt ctctcgaaa cnaacnctt anncccaac ctctngggcc ccccnctnc 720  
 cnaatgaag gncnccaat cnangaaac nccntgaaa anenaggcna ananmtccg 780  
 canatcctt ccttattntt ggggncctt nccnngggc cc 822

<210> 30  
 <211> 787  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)... (787)  
 <223> n = A,T,C or G

<400> 30  
 cggccgcctg ctctggaca tgcctctga atggatcaa aagtgatgga ctgccactg 60  
 ctagagaaga cctctctct tactgtcatt atggagccct gcagactgag ggtccctct 120  
 gtctcgagga ttgatgtct gaagtctgtg agtgtggtt ggagctctc atctacatna 180  
 gctggagacc ctggagggc tctctcgaca gctccctct tctctccag ctctccagg 240  
 acacccgggg ctccaggac cccattatc ccagnangac atggtgttc tccacgggga 300  
 cccatgggc ctgnaagcc aggtctctt ttgacacat ctctccctc ctgctggga 360  
 ggcctggga tccatntt ctanaacggc cccacnccg gtggagctc cagctttgt 420  
 tccctttaa gaagttaat tgcctgtgt gctaatcat nggtcnaac tnttctgtg 480  
 gtgaattgt ttntccctc ncaatctnc ncaatctac aaccgggaan ctataagtg 540  
 taagccctgg ggtngccn nngaatnaac tnaactcaat taattgctt ggtcatggt 600  
 cctgttcten ttcggaaaa etgtctctc ctgctntntt gaactggcca ccccccggg 660  
 aaaagcgtt tgcnttttg gggntcctt cctctccc cctctnaa cctnngctt 720  
 cgtctgtnc ggtngcggg gaagggnat nncctccnc naagggggg agnnngtat 780  
 ccccaaa 787

<210> 31  
 <211> 799  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)... (799)  
 <223> n = A,T,C or G

<400> 31

```

ttctcttctt  ttttttttggc gatgctactg  ttttattgaa  gggaggtgggg  gttgtgtgtan  60
catgtaccag  ggcattataga  agcaagaagg  aaggagggag  ggcagagcgc  cctgtgtaggc  120
aacaaaggac  tctctgagcc  ttctctgtct  gtctcttggc  gcaggccacat  gggggaggcct  180
cccgaggagg  ggggggcacc  agtccagggg  tgggagcact  acanaggggtg  gggagtgggtg  240
gtggctgggt  cnaatggcct  gncacacatc  cctacgatto  ttgacaactg  gatttcacca  300
ggggaccttc  tgttctccca  nggnaacctc  nttnnatctc  aaagaacaca  actgtttttt  360
cngcatttt  ggtctgttcat  ggaagaacaa  ggtgtccnat  ttnggttggg  acttggatca  420
tatggttcgg  gcccaactct  scntcnaaa  aagtaattca  ccccccctcc  cctctctctg  480
cttgggcct  taantaccca  cccgggaact  cantlantla  ctcatcttng  gntgggtctg  540
nlnatcncn  cctgaangcg  ccaagttgaa  aggccacgcc  gtnccnctc  cccatagnan  600
nttttntnt  cantaatgc  ccccccgggc  aacnattcaa  tccccccccc  tggggggcccc  660
agccccaggc  ccccgntcgg  ggnnccngn  cncgnantcc  ccaggttctc  ccantcngnc  720
ccnnngcnc  ccgcacgcga  gaacanaagg  ntngagcnc  cgcannnnnn  nggttncnac  780
ctgcceccc  cccngngng

```

```

<210> 32
<211> 789
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> {1}...{789}
<223> n = A,T,C or G

```

```

<400> 32
tttttttttt  tttttttttt  tttttttttt  tttttttttt  tttttttttt  60
tttttncnag  ggcaggttta  ttgacaaact  cncggggcac  aancaggctg  gggacaggac  120
gggaacaggc  tccggggggc  gggggggggg  ccttaactgc  ggtacccaat  atgcagcctc  180
cgtctccgct  tgatnttctt  ctgcagctgc  aggatgcctt  aaaaacagggc  ctggccntn  240
gttgggcacc  ctgggatttn  aattccacg  ggcacaatgc  ggtgcacncc  cttcatatc  300
nattaggaat  agtggnttta  cccnccnccg  ttggcncact  ccccttggaa  accacttntc  360
ggcgctccgg  catctggctt  taaccttgc  aacnctggg  gccctcttt  tggttantnt  420
ncmgyccaca  atcatnactc  agactggcnc  gggctggccc  caaaaaancc  ccccaaaccc  480
ggncatgttc  tnnccgggtt  tgcctgnatn  tnatcaact  cccgggcnc  ccaggncacc  540
ccaaaagttc  ttngggcccn  caaaaaanct  cccgggggdc  ccagtttcaa  caaagtcctc  600
ccctttggcc  cccaaatccc  ccccccngnt  nctgggtttg  ggaaccccgc  cctctncttc  660
tggngggcaa  gntgntccc  ccttggggcc  cccggtgggc  cccnctctaa  ngaaaaaccc  720
nccctmnc  ccatcccccc  nngsmagnc  tancsaagaa  tcccttttt  taaaaacggg  780
ccccccncc

```

```

<210> 33
<211> 793
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> {1}...{793}
<223> n = A,T,C or G

```

```

<400> 33
gacagacac  gttggatggt  ggagcacctt  tctatacgac  ttacaggaca  gcagatgggg  60
aattcatggt  tgttggagaa  atanaacccc  agttctacga  gctcttgatc  aaaggactttg  120
gactaaagct  tgatgaactt  cccaactcga  tgaagctgga  tgattggcca  gaattgaana  180
agaagcttgc  agatgtattt  gcaaaagaaa  cgaaggtcga  tgggtgtcaa  atcttttgacy  240
gncagatgc  ctgtgtgact  ccggtttctg  ctttttgagg  ggttgttcat  catgatcaca  300
acaangaagc  gggctcgttt  atcaccaatg  aggagcagga  cgtgagcccc  cgcctcgcac  360

```

```

ctctgtgtgtt aaacacccccc gccatccctt ctttcaaaaag ggatccacta cttcttagagc 420
ggngccacacc ggggtggagc tccagctttt gtcccttcta gtgagggtta attgugogct 480
tggcgtaacc atgggtcatan ctgttctctg tgtgaaattg ttatcogctc acaattccac 540
acaacatacag apcogggaagc atnaaatttt aaagccttggg ggtnogcttaa tgantgaact 600
naetccactt aattgggttt gcgctcactg cccgctttcc agtcgggaaa acctgtcctt 660
gocagctgoc nttaatgaat cngggccacc cccgggggaaa aggcngtttg ctnttggggg 720
cgcncctccc gctttctctg ttcctgaant ccttccccc ggctcttctgg cttgtgggna 780
acggatctna cct

```

&lt;210&gt; 34

&lt;211&gt; 756

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(756)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 34

```

ggcgggaccg gcactgtcga gcaactcaag ggcgagtggg accgtaaaag ccccaactct 60
anccagtgcc ggggaanagct gggctgagct aagctagtct tcttggagct caactctctg 120
ccaacacacag ggacccaagct gaacaaacag cagctaatct tggcccgctg cactactggag 180
atcyggggccc aatggagcct cctacgcaan gacatccctt ccttggagcg ctactatggc 240
cagctcaaat gctactactt tgattacaaan gagcagctcc ccgagtccgc ctatatgcac 300
cagctcttgg gccccaacct cctcttctctg ctgtccccaga accgggttgg tgantccacc 360
acggatttgg ancggtctgc tgcctcaanga caccacaaac aatgtctata tcnaccacca 420
gtgtcttggg gcaatactga tggangggcag ctaccccaaa gtnttctctg ccnagggttaa 480
catcccccgc cggagagctac accttcttca ttgacactct gctcgacact atcaggggatg 540
aaaatcgcmg ggttgcctca gaagggtctc aanaaanatc ttttctctga agggcccccg 600
atnctctagt nctagaaatg gcccgcaatc ggggtggana ctccaaactt tggctaccct 660
ttactgtggg ttatctggcg ccccttgccg tctcatggct acnccngttn cctgtgttga 720
aatintaaac ccccacaal tccagggcna cating
756

```

&lt;210&gt; 35

&lt;211&gt; 834

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(834)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 35

```

ggggatctct anactnacct gnatgcabgg ttgtcgggtg ggtcgctgtc gatgaanatg 60
aacaggatct tgcctctgaa gctctcggtt gctgtnttta agttgctcag tctcgogtca 120
tagtcagctca cncctcttgg caaaaaaacc caggatctga gtcttgattt caactccaat 180
aatcttcagg gctgtctgct cgggtgaact gatgacnang ggcagctggg ttgtgttgat 240
aaantccanc angttctctt ttgtgaactc ccttcaaaag ttgttctcgc cttcatctaa 300
cttctnaaan angannanc canctctgtc gagctgggat ttgganaaca agtcaactgtt 360
ggacactgat ccccaactgt atgtcatcca tgcctcttgc tgcctgcaaa aaacttgcct 420
ggcnaaactc cgaactcccn tccctgaaag aagccmatca cacccccct cctggactct 480
nncanagact ctncgcttnc cccntccmng cagggttggtt ggcannccgg gccnttgogo 540
tcttcagccg agtccacat nttoctcage cctcttgcct gctgtntat tccctggggg 600
gganccogtc tctcctctcc tgaanaaact ttgacgttng gaactccggc gctcctccnt 660
acntcttggg cggggttcaa antccctcct ttgnaantcn cctcggggca ttctggattt 720
nncnaacttt tctcttcccc ccccncngg ngtttggatc ttcnaanggg ccccaactct 780

```



gcctttggcc antccctcgg gggcctntan cncctccctnt ggtcccttng gggc 834

<210> 36  
 <211> 814  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1) ... (814)  
 <223> n = A,T,C or G

<400> 36  
 cggcgctttt cccgcgcgcg cccgtttcca tgacnaaggg tcccttcang ttaatacnn 60  
 cctagnaaac attaatgggt tgccttacta atacctcata cnaaccagta agcctgccca 120  
 naacgccaac tcaggccatt cctaccnaag gaagaaaggg tggctctctc acccctgtga 180  
 ggaagggcct gcccttgtaag acaccacaat ccggctgaat ctnaagctct gtgttttact 240  
 aatggaaaaa aaaaaaanaa aanaggtttc gttctctatgg ctgcccaccc cagcctggga 300  
 ctaaaacana cccagcgctca cctctgcttg ganaaatatt ctttgcctct ttggacatca 360  
 ggtcttgatg tataactgcc acntttccac ccagctgggg ccctctcccc catntttgtc 420  
 antgancctg aagcctcgaa ncttagtctc caaaagtctc nccccacaag accggccacc 480  
 aggggaagtc ccttnacgtg gatctgccaa aaantaccn tatcatcunt gaataaaaag 540  
 gccctcgnaa gnatgtcttc cancancctt taagaccat aatccctngaa ccatggtgac 600  
 ctccgggtct gatcenaag gaatgtccct ggggtccant cctctctttg ttncttacct 660  
 tgnntggac cctgtctngn atnaccaan tganatcccc ngaagcacc cccccctggc 720  
 atttganttt cnaaatctt ctgcctacn nctgaagcca cnaattccct ggcncnaaa 780  
 ggggaactca agaaggtctn ngaaaaacca cncn 814

<210> 37  
 <211> 760  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1) ... (760)  
 <223> n = A,T,C or G

<400> 37  
 gcctgctgct cctctcaaa gttgttcttg ttgccaraac aaccacata ggttaaggg 60  
 ggcagtggtt cgttgaagg gttgttagtao cagcgccggg tgcctctctt cagaggtctt 120  
 gtgtccggca ggtccacga atgcctcttg tccctgggga aatggatgct ctaggtgtct 180  
 tcaaacacac tctgtatct ttacacanga gccctctccg aagcctccgg gcatgtggg 240  
 gtgtgttacc actccactaa acgttctgat caccagccca ttctctcagg ggaactgggt 300  
 gggctcagag gtgccagaa acacttggatn ggcctttcca tggagggcc tgggggaaat 360  
 cccctnmc caaactgcct ctcaagggcc accttgacaa ccccgacagg ctagaatagc 420  
 actctcttc ccaaggttag ttgttcttct tgcctaaagca nctccanac aaccaaaac 480  
 ttgcgaatct tctccgtgg ggtctatnn taccaaggtt ggggaaana acccgccn 540  
 ganccnctt gtttgaarg naagghaata atcctctgt ctgtgttggg tggaaagca 600  
 caattgaact gttacnttg ggcggngtc ccttnggggt gtctgaact aatcaccgtc 660  
 actgaaaaaa ggtangtgc ttcctgaat tcccaant cccctngnt tgggtnttt 720  
 cctcttnc ctaaaatcg tntcccccc ccttaaggcg 760

<210> 38  
 <211> 724  
 <212> DNA  
 <213> Homo sapien

```

<220>
<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

<400> 38
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
tttccnaaat ttgtccaaacc cctcnnccaa atnnccattt cggggggggg gtccaaaacc 60
caaatcaatt ttggaaattt aattaaactt taatttnggg aaaaanccaa atgtnaagaa 120
aatttaaccc attaanaact taatttccctt gaaccctctg gtttccaaaa atttttaacc 240
cttaaatccc ttccgaattg ntaanggaas accaaattcn cctaaggctn tttagaggtt 300
ngatttaaac ccccttnant tnttttnacc cnnnctnaa ntatttngnt ttccgttgtt 360
tccntntaan cttnggtaac tcccgntaat gaannnccct aannccatta aaccgaattt 420
ttttgaattt ggaattccn ngggaattna cgggggtttt tccntttgg gggccatncc 480
cccnctttcg ggggtttggg ntgggttgaa ttttttnang ncccaaaaaa nccccaana 540
aaaaaacccc caagnttaa ttngaatntc ccccttccca ggccttttgg gaaagggggg 600
tttntggggg cgggggantt ctttccccc ttncndccc ccccccnggt aaaggttat 660
ngntttgggt ttttgggttc cttnnggtac ctcccggtt gaatttaaat ccccggttgc 720
gcgg 724

<210> 39
<211> 751
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

<400> 39
tttttttttt tttttttttt ttccatttta attttttttt ttattttttt taatgtctga 60
caaccacaata ttatttccat ttgtttcttt tttttccatt taatttgttg ttgcngctgt 120
ttatttttatt ttacttgaaa gtgagaggga acttttgttg cettttttcc ttttttctga 180
ggcgccttta agctttctaa atttggaaac tctaaagcaag ttgaangaa aaggggggtt 240
ngcaaaatca ctggggggaa nggaaagggt gctttgttaa ttatgccta ttgtgggtga 300
ttaantgctt gtcaattac nttracctt taatttaatt ttgttaangc tttaattata 360
cttgggggtt cctcccacn accaaccccn ctgacaaaaa gtgcngccc tcaattatg 420
tccgggcnnt cttgaaacaa cactngcrgaa ngttccatt ntcccccnc caggtnaaaa 480
tgaggggtta cctattttaa cccacctcc aobggcnnn gcctgaatcc tcnaaaaann 540
ccctcaann aatttctng ccccggttnc gcttngtcc ccccggttcc cggggaatnn 600
caccctcnga annnnnnnc naacnaaatt ccgaaaatat tccnnctnc tcaattcccc 660
cnnagactnt cctnnncan cnaattttt ttttnttcc gaacnngnc cnnnaaatgn 720
nnnnnccctc cttctgccc aaatnccan c 751

<210> 40
<211> 753
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 40
gtgttatatt ctgtgaagtc aggtgttctt cctctgagg tttagaggaa acccctcat 60
agatgaaaaa ccccctggga cagcagactt gcaactgcca agcagcggg gttagggggg 120

```

```

cgccttatgc acagctgggc ccctggagaca ggaagggcttc gatgtcaggc tccagtgtcaa 180
tgggtctgaaa gggggggctg tacctgcgta ggggcacacc gtccagggccc accaggsact 240
tctcaaaagt ccaggcaach togttgcgac acacccggaga ccagggtgatn agcttgggggt 300
cggctcaaan ccgggtggcg togttcgctgg gagctggcag ggccctccgc aggaagggna 360
ataaaaggtg cgcgcccgca ccgttcancct cggacttctc naanaccatg angttggggc 420
cnaaccacac accannccgg acttccttga cggacttccc aaatccctn gnetctgggc 480
ttctnctgat gccctancct gttgcrcngn atgcacaaca gccccaance cgggggtcct 540
aaanccccc cctctctctt tcatctgggt tnttntccc ggaacctggc tctctcaag 600
ggancccaat tctncaaan tactaacctt nccccccct gnaaccacac ctctctaaag 660
ttccncccc nccctctggc cttcaaanat gcttncaana cctgggtctg ccttccccc 720
taccctatct gnaaccnctt ttgtctctan tct

```

```

<210> 41
<211> 341
<212> DNA
<213> Homo sapien

```

```

<400> 41
acttatatca tcaacaaga catgttctat cccatagact tcttgacata gcttcaaatg 60
agtgaaccca tcccttgatt atatacatat atgttctcag tatcttggga gccctctcac 120
ttctttaaac cttgttcat atgaacactg aaaaataggaa ttgtgaaag gttcaaaagt 180
tatagcttgt ttactgtaga agttttttaa gctctcattc aatccagaca cttagtctgag 240
gtttaaatcg tgatttttaa aaaatatcat ttgagaatat tctttcagag gtatcttcat 300
ttttactttt tgattaatg tgttttatat attagggtag t 341

```

```

<210> 42
<211> 101
<212> DNA
<213> Homo sapien

```

```

<400> 42
acttactgaa tttagttctg tgcctcttcc tcttttagrgt tctatcaraan atactttgat 60
gtttcaacaa ttctaaataa ataattttca gtggtctcat a 101

```

```

<210> 43
<211> 305
<212> DNA
<213> Homo sapien

```

```

<400> 43
acatctttgt tacagtctaa gatgtgtctt taaatccca ttccttccctg gtcctccccc 60
tccaggttgg tctcaacatg caattagagc tattgaggag tctttacagc aaattaagat 120
tcagatgtcct tgcctaagct agagttctag agttatgttt cagaagaatc aagaacccca 180
cctcttgaga ggtcagctaa gaggaactta tatttctat ctacaaaatg aecacaggat 240
tggatcacga ccagaggtta cctgggataa ctccagagctg agtacctgoc cggggggcgc 300
tcgaa 305

```

```

<210> 44
<211> 862
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)... (852)
<223> n = A,T,C or G

```

```

<400> 44

```

```

acataaattat cagagaaaag tagtctttga aataktatag tccaggaggt ctttgtttct 60
gattacttttg tctgtttttt ggttttgttc caaagtaatt gcagcttcag ttttcatatt 120
ctctccatcc tcgggcattc ttcccaaat tataraccag tcttgcaca tccacacgct 180
ccagaagatcc tctcttttag taatatctca tagctcggct gagcttttca taggtcatgc 240
tgcgtgtgtt ctctctttta ccccatagct gaggccactgc ctctgatttc aagaaacctga 300
agaagccccc agatcgggtc tcccatttta ttaactctgg gttcttgtct ggggtcaaga 360
ggatgdcgag gatgaattcc cataaagtgg tcccctctgg gtttgtctct tgggtgtggc 420
acttggcagg ggggtcttgc tcttllttca takcagggtg ctctgcacaa ggaaggtgac 480
tgggtgtgtg caaggagacc tgaagccggc agaaagtttt gctgtccaac aaactcactg 540
tgctacacata gttgtgttca tataaatagt tctngtcttt ccaggtgttc atgatggaa 600
gctcaghttg ttcagtcctg acaatgaact tgtgtgttga ctggaacagg tcaactactg 660
actggcctgt ccaattcaga tgcctgcaagt tgcgtgtagag gagntgcacc gccgtccctg 720
ccgcccgggt gaactcctgc aaactcatgc tgcgaaggtg ctgcgcgttg atgtcgaact 780
cctggaaaagg gatacaattg gcatccagct ggttgggtgc caggaggtga tggagccact 840
cccacacctg gt 892

```

```

<210> 45
<211> 234
<212> DNA
<213> Homo sapien

```

```

<400> 45
acaacagagcc cttgctcgct aacgacctca tgcctcatca gttggaagaa tccgtgtccg 60
agtctgacac catccggagc atcagcaattg ctctcagtg ccttacccgc ggaacacctt 120
gctcgttttc tggctgggtt ctgctggcga acggcagaa gcttacccgc ctgcagtgcg 180
tgaacgtgct ggtggtgtct gaggaggctc gcagtaagct ctatgaacgc ctgt 234

```

```

<210> 46
<211> 590
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc feature
<222> (1)...(590)
<223> n = A,T,C or G

```

```

<400> 46
actttttatt taaatgttta taaggcgat ctatcggaat gatagaaac atggtytga 60
attgtatagg aatatctttg agattacaga gttttagtta ttaccaatta ccacgttaaa 120
aagagatata tatattccaa gcanatacaa aatatctaat gaagatcaca ggcaggaaaa 180
tgantabaac taattgacaa tggaaaatca attttaatgt gaattgcaca ttaactctta 240
aaagctttca anaaanaaaa ttattgcagt ctanttaatt caaacagtg taaatgggat 300
caggataaan aactgaaggg canaaaagaa taattttcac ttvatgtaac ncaaccaaact 360
ttacaatggc ttaaaagcan ggaaaaagca gtggaagtag ggaagtatc aaggtcttte 420
tgggtcttaa tctgccttac tctttgggtg tggctttgat cctctggaga cagctgcag 480
ggcctcgtgt ttatccacaa tccacagcgc aagatgaagg gatgaaaag gacacatgct 540
gctctctttt gaggagactt catctcactg gccacacact agtcacatgt 590

```

```

<210> 47
<211> 774
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc feature
<222> (1)...(774)
<223> n = A,T,C or G

```

```

<400> 47
acaaggggggc ataatgaagg agtgggggana gacttttaag aaggaaaaaa aacgagggccc      60
tgaacagaaat ttctctgnac aacgggggerr caaataaatt ttcttggggg ggttcaagac      120
gcttcactgc ttgaacetta aatggaatgt ggacanaatt ttctgtaatg acctcgaggg      180
cattaccgac gggactctgg gaggaaggat aaacagaag gggacaaagg ctaatcccaa      240
aacatcaaa gagggaaggt gggtctatc ctccagcct acacagtct ccagggtctc      300
cctcatcctt ggaagcgac agtggaggaa caactgacca tgtcccagg ctctgtgtg      360
ctggctctgt gtctttagcc ccagctctgt gaagcccacc ctctgtgat cctgggtggc      420
ccacactcct tgaacaaca tcccagggtt atatctctgg acatggctga acctctatt      480
cctactctcg agatgcttg ctctctgcag cctgtcaaaa tcccactcac cttccaaacc      540
aaggcattgg aagcctttct gacttgctgt attactccag catcttggaa caatctctga      600
ttcccactc cttagaggca agatagggtg gtttaagata gggctggacc acttggagcc      660
aggtctgtgg ctccaattt tggctcattt acgagctatg ggacettggg caagtnatcc      720
tcactctcat gggcctcatt ttgtctacc tgcataaatgg gggataataa tagt      774

<210> 48
<211> 124
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 48
canaaattga aattttataa aaaggcattt ttctcttata tccataaatt gatataaatt      60
ttgcanttat anaattgtgt cataaattat aatgttctct aattacagct caacgcacac      120
cggt

<210> 49
<211> 147
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(147)
<223> n = A,T,C or G

<400> 49
gcagatgcta ctattttatt gcaggaggtg ggggtgtttt tattattctc tcaacagctt      60
tgtgtgtaca ggtgtgtgt gactgcataa aaantttttt taaggtgtat tgcataaatt      120
ttagggcacc cattaaccaa gcantgt

<210> 50
<211> 107
<212> DNA
<213> Homo sapien

<400> 50
acattaaatt aataaaagga ctgttggggg tctgtcaaaa cacatggctt gatataatgc      60
atgttttagg gttaggagga gttaggtata tgttttggga gagggt      107

<210> 51
<211> 204
<212> DNA

```

&lt;213&gt; Homo sapien

&lt;400&gt; 51

gctctaggaa	gctcaggsga	cacacgactc	cggggtcaag	gggccgacac	acttgcaagg	60
cggggaaggaa	agggcagagaa	gtgacacggt	caggggggaaa	cgacagaaag	gaaatcaag	120
gocctgcgaag	gtcagaaaaag	ggactcaggg	cttccaccac	agccctgcgc	cacttgcca	180
cctccctttt	gggaccagca	atgt				204

&lt;210&gt; 52

&lt;211&gt; 491

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(491)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 52

acaaagataa	catttatctt	atacaaaaa	tttgatagtt	ttaaggtta	gtattgtgta	60
gggtattttc	caaaagatta	aagagataac	tcagggtaaa	agttagaaat	gtataaaaa	120
ccatcagaca	gggtttttaa	aaacaacata	ttacaaaatt	agacaaatct	ccttaaaaa	180
aaaacttttt	gtatcaattt	cttttgttca	aaatgactga	cttaantatt	tttaaatatt	240
tcanaaaacac	ttctcctaaa	attttcaaaa	tggtagcttt	canatgtncv	ctcagttcca	300
atgtttgtca	gataaataaa	tctctgtaga	acttaccaga	caccacaagg	ttctcggggc	360
atgcacacgt	gctctttctt	ctctttctct	cttttttttt	ttacaggcac	agaaactaat	420
caattttatt	tggataacaa	aggggtctca	aatttatatt	aaaaataaar	ccaagttaat	480
atcactcttg	t					491

&lt;210&gt; 53

&lt;211&gt; 484

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(484)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 53

acataattta	gcagggtctaa	ttaccataag	atgctattta	ttaanagggt	tatgatctga	60
gtatcaaacg	ttgctgaagt	tgggtattct	catgcagcat	cttctttttg	ctttgataaa	120
actacagaac	ccttaaggag	actgaaaatt	agtaagtaaa	gttcagaaac	attagctgct	180
caataaatac	tctacataac	actatagtaa	ttaaaacggt	aaaaaaaagt	gttgaaatct	240
gcactagtat	anacgcctcc	tgatcaggata	anaactgctt	ggaaacggaa	gggcaaaaac	300
agctttgant	ttcttttgtc	tgatagagg	aaaggctgaa	ctaccttggt	gctctccctt	360
aaigtctggc	aggtcaggta	aattccaaaa	catattccaa	ctcaacaact	ctttccnag	420
tantctgant	ctgtgtattc	caggancagg	cggtatggaat	gggcccagcc	ncggatgttc	480
cant						484

&lt;210&gt; 54

&lt;211&gt; 151

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 54

actaaaccke	gtgcttgtag	actccatata	gaanaagggt	ccatccctga	acaaggctgg	60
ccactgggta	tactgtgtac	aacgcgaaca	acaaaaaac	aaactcttgg	cactggttag	120

```

tctatgtctc ctcaagigcc tttttgttg t 151

<210> 55
<211> 91
<212> DNA
<213> Homo sapien

<400> 55
acctggcttg tctcggggtg gttctcggtg ccccccacgg tccccagaac ggacacttc 60
gccctccagt ggatactcga gccaaagtgg t 91

<210> 56
<211> 133
<212> DNA
<213> Homo sapien

<400> 56
ggcggatgtg cgttggttat atcaaatat gtcatcttat gtaagggtact tgagtatact 60
tggatttttg gtatctgttg gttgggggga cggctccaggga accaatatccc catggatacc 120
aagggacaaa tgt 133

<210> 57
<211> 147
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(147)
<223> n = A,T,C or G

<400> 57
actcggaga acctgagcgg ctgctccggc tctgggatga ggtggtgcan gctgtggcgc 60
gaatggggagc tgagcccttc ctttggcgc tgcctcagag gattgttgcg gactgtgana 120
tctcaatggg ctggatncat gcagggt 147

<210> 58
<211> 198
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(198)
<223> n = A,T,C or G

<400> 58
acagggatat aggttttaag ttattgttat tgcataatc attgaatttt ctgtatactc 60
tgattacata catctatcct ttaaaaaaga tgaatatctt aatttttatg ccactctatta 120
attaccatatt gatttaccctt gtaaatgaga agtcactgata gactgaatt ttaactagtt 180
ttgaattcta agtttgggt 198

<210> 59
<211> 310
<212> DNA
<213> Homo sapien

<400> 59

```

acaacacaaatg	ggtctgtgagg	asgtcttctac	agcaaaactg	gtgatggcta	ctgaaaagat	60
ccattgaaaa	ttatctattaa	tgattttttaa	tgacaaagta	tcaaaaaactc	actcaatttc	120
caactctgct	agcttctctaa	aattggggatt	aactctagag	caaatatagt	atctctgaa	180
tacagtcnat	aaatgacaaa	gcacggggcct	acaggtgggt	tccagacttt	ccagatccag	240
cagaagggaat	ctattttctc	acatggatct	cagtcctgtc	tcaaaatacc	taatgatatt	300
ttctgctctt	attggacttc	tttgaagagt				310

<210> 60  
 <211> 175  
 <212> DNA  
 <213> Homo sapien

aacgtgggtg	ccttctacat	tccctgaaggc	tcttccacca	acatctgggt	ctactctggc	60
gtctgtgggt	ccttctctct	cattctctctc	cagctgggtg	tgtctctcga	ctttggcgac	120
tcttggaacc	agcgggtggc	gggcaaggcc	gaggagtgcc	attccctgtc	ctgggt	175

<210> 61  
 <211> 154  
 <212> DNA  
 <213> Homo sapien

accacacttt	tcttctctgt	agcagctctg	acttctcact	gtacatgat	gaggggtgagt	60
ggttggttgt	cttcaacagt	atctctccct	tccggatct	gttgagcggg	acagcagtgct	120
tggactgac	agccccgggg	ctccacattg	ctgt			154

<210> 62  
 <211> 30  
 <212> DNA  
 <213> Homo sapien

cgtctggacc	ctatagtgag	tctgtattaga				30
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<210> 63  
 <211> 89  
 <212> DNA  
 <213> Homo sapien

acaagtcaatt	tacgtaccc	tgtctcttca	aaactgacca	tcttttatat	taantgcttc	60
ctgtatgaat	aaataggtt	atgtcaagt				89

<210> 64  
 <211> 97  
 <212> DNA  
 <213> Homo sapien

acaggagtaa	ctgagctggg	acgctgaatc	tgaatccacc	aataaataaa	ggttctgcag	60
aatcagtgca	tccaggattg	gtctctggat	ctgggggt			97

<210> 69  
 <211> 177  
 <212> DNA  
 <213> Homo sapien



<220>  
 <221> misc\_feature  
 <222> (1)... (377)  
 <223> n = A,T,C or G

<400> 65  
 aacacaaanaa ntccctcttt tagggccactg atggaaacct ggaaccccct ttgtgatgca 60  
 gcattggcgtc ctaggcccttg aacacggcggg tggggcttgg gctctcccaa accgcacacc 120  
 caaacccctgg tctacacaaa ntctctggcta tgggctgtct ctggccactga aacatcagggt 180  
 tgggtcatata natgaaatcc caangggggac agagggtcagt agagggaagct caatggagaaa 240  
 ggtgctgttt gctcagccag aaaaacagctg cctggcattc gccgctgaac tatgaaacccg 300  
 tgggggtgaa ctaccccacn gagggaatcat gcttggggca tgcnaangtg ccaacaggag 360  
 gggcggggagg agcatgt 377

<210> 66  
 <211> 305  
 <212> DNA  
 <213> Homo sapien

<400> 66  
 aagcccttcc ctacagaattc aggggaagaga ctggcgcctg ccttccctccg ttgttgcgctg 60  
 agaaccctgg tgcaccttcc caccatctacc accctcgctc catctcttga ctkaaacacg 120  
 aggaactaac tgcacctggt tctctctccc agtcccacgt tcaacctcca tccctcaact 180  
 tctccctacc taaggggatac caacatcgcc cagcacaggg gccctgaatt tatgtgtgtt 240  
 ttctatatct tttaataaga tgcactttat gtcatttttt aataaagctc gaagaaattac 300  
 tgttt 305

<210> 67  
 <211> 385  
 <212> DNA  
 <213> Homo sapien

<400> 67  
 actacacaca ctccacttgc ccttctgaga caettctgtcc cagcacttta ggaatgctga 60  
 ggtcggagca gacacatctc atgtgcgaaga ttgcccagca gacatcaggt ctgagagcttc 120  
 cctctttaaa aaagggggact tgccttaaaa agaaagtctag ccccgattgt gttagcgagc 180  
 tgtgtctgtg tggagattca ctcttgagag agttctcttc ttagacactga tcttttaggg 240  
 ctggcgagtc ttgcacatga gatggggctg gctctgcttc agtactccct agtctgcttg 300  
 cctctccccc gggcccagcc tggcccaacc tgcttacagg gcatctctag atgccctacc 360  
 catagtttct atgtcagctgg accgt 385

<210> 68  
 <211> 73  
 <212> DNA  
 <213> Homo sapien

<400> 68  
 aattaacag atatatcttt accccagatg gggatatctt ttgtaaaaaa tgaataaaa 60  
 gtttttttaa tgg 73

<210> 69  
 <211> 536  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)... (536)

&lt;223&gt; n = A,T,C or G

&lt;480&gt; 69

actagtcacag	tgtggttgaa	ttccatctgt	ttgggggctc	tcaccctcct	ctctgcagc	60
tcacagctttg	tgctctgctt	ctgaggagac	cagggccag	catctgagta	ccctgcctgt	120
cctgtctggcc	accctagctg	tggccctggc	ctggagcccc	aaggaggagg	ataggataat	180
ccggggtggc	actatataag	cagacctcaa	tgatgagtgg	gtacagcgctg	cccttcaatt	240
cgccatcagc	gagtataaca	agggccacaa	agatgactac	tacagagcgtc	cgcttggggg	300
actaagagcc	agggcaacaga	cgttgggggg	gggtaattac	ttcttcagag	taggagtgag	360
cagaaaccata	tgtaaccagt	cccgagccaa	cttggaccac	tgctgcttcc	atgaacagcc	420
agaactctgag	aagaaacagt	tgtgctcttt	cgagatctac	gaagttccct	ggggagagaca	480
gaaggtccctt	gggtgaatcc	caggtgtcaa	gaatctctan	ggatctgttg	ccaggc	516

&lt;210&gt; 70

&lt;211&gt; 477

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;480&gt; 70

atgaacccta	acagggggcc	tctcagccct	ctcaatgacc	tcgggctcag	ccatgtgatt	60
tcactctcac	tcacataacg	tcctcatact	aggcctacta	acccacacac	taaccatata	120
ccaatgatgg	cggcatgtaa	cacgagaaag	cacataccaa	ggccaccaca	caccacctgt	180
ccaaaagaag	cttgatcacg	ggataatcct	atttattacc	tcagaagttt	ttttcttccg	240
agggtttttt	ctgagccttt	taccactcca	gcttagdccc	taccccccac	ctaggagggc	300
actgycdccc	aadagggctc	accccgctaa	atccctctaga	agtcaccactc	ctaaacaacat	360
ccgtattact	cgcctacgga	gtatcaatca	cttgagctca	ctcatgtctc	atagaaacaa	420
acggaaacca	aattattcaa	agcactgctt	attacaattt	tactgggtct	ctattttt	477

&lt;210&gt; 71

&lt;211&gt; 533

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(533)

&lt;223&gt; n = A,T,C or G

&lt;480&gt; 71

agagctatag	gtacagtgtg	atctcagctt	tgcaaacaca	ttttctacat	agatagtact	60
agggtattaat	agatctgtaa	agaagaat	ccacacctta	ataatggtaa	gattgggtta	120
tgtgatttca	gtggatattt	tggacccttt	atatagtttt	tcacaccttt	cagcagtgat	180
attattttcca	taacttaaaa	ambagttttg	aaaaagaaaa	tctccagcaa	gcattctcatt	240
taaatataagg	tttgtctatc	ttaaaaatcc	agcaatctgt	gacttttttaa	aaaagctgtc	300
aaataggcgt	gacccctacta	ataattatta	gaatatacatt	taaaaaacac	gagtagctca	360
agtcagttttg	ccttgaaaaa	tatcaaatat	aactctctaga	gaatgtatac	kaaaagaatc	420
cttctgaattt	ttggagtcag	agggtccctc	ctcaattttg	tatttttaaa	aagtagatgg	480
taaaaaaaaa	aatttcaaac	agtatataag	gctgtaaaat	gaagaattct	gcc	533

&lt;210&gt; 72

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(511)

&lt;223&gt; n = A,T,C or G

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<400> 72
tattacaggaa aaacacacca cataattcaa ctanacaaaga anactgtctc agggcggtga      60
aaatgaaggg cttcagggag gttatctgat taaagaacac taaagagggg acagggtotaa      120
aagccgacagg agtctacac tatancaggc gctatttggg ttggctggag gagctgtgga      180
aaacatggan agattgggtc tgganatgc cgtggtctatt cctcatgtgt attacaaagt      240
gaggttctct gtgtgcccac tggtttgaaa accgttctnc aataatgata gaatagtaca      300
cacatgagaa ctgaatggc ccaaacccag aaagaagacc caactcgatc ctgagaanac      360
gctctcaggg acaataacgg atgaagaaaa gatgggtctc ttgtgcccc gtctgttatg      420
attctctcc attgcagcna naaacccgtt cttctaagca aacncagggt atgatggcna      480
aataacaccc cctcttgag naacnggagg a                                     512

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<210> 73
<211> 499
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 73
cagtgccagc actggtgccg gtaccagtac caataacagt gccagtgcca gtgccaggac      60
cagtggtggc ttacagtgtg gtgccagcct gacggccact ctacactttg ggtctctkcg      120
tggccttggt ggagcttggt ccagcacccag tggcagctct ggtgcttggt gttctctcta      180
caagtgagat tttagatatt gttaatcctg ccagttcttc tcttcaagcc aggggtgcatc      240
ctcagaacac tactcaacac agcactctag gcagccacta tcaatcaatt gaagttgaca      300
ctctgcatta aatctatttg ccatttctga aaaaaaaaaa aaaaaaaggg cggcgctctg      360
antctagagg gcccgcttaa acccgctgat cagcctcgac tgggctctct anttgcagc      420
cctctgttgt ttgcctctcc ccgntgcct tccctgaacc tggaaagtcg cactccact      480
gtccttctct aantaatat                                     499

```

```

<210> 74
<211> 537
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 74
tttcatagga gaacacactg agagatatac tgaagaattt gaattcagcc gogaagagat      60
ttatcagctt aactcagata aaatcattga aagtaataag gtaaaaagta gttcttaact      120
tccaggtcca cggctcaagt gaatttgaat actgcattta cagtgtagag taacacataa      180
cattgtatgc atggaacat ggaggaaacag tattacagtg tcttaccact ctactcaaga      240
aaagaattac agactctgat tctacagtg tgattgaatt ctaaaaatgg taactaattag      300
ggcttttgtt ttataaanct ttgggtactt atactaaatt atggtagtta tactgccttc      360
cagtttgtgt gatatacttg ttgatattba gattcttgac ttatattttg aatgggttct      420
actgaasaan gaatgataa ttcttgaga catgatata catttatta cactcttgat      480
tctacaatgt agaaaatgaa ggaatgcc caaatgtat ggtgataaaa gtcccg      537

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```

<210> 75
<211> 467
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 75
caaanacaat tgttcaaaag atgcaaatga tacactaactg ctgcagctca caaacacctc 60
tgcatattac acgtacacctc tccctgctcct aaagtatgtgt ggtctatctt gccatcatca 120
cctgctgtct ccttagaaga aaggctttct cctgcaangg agagaacctc taacagacgg 180
tggcacaagg aggcacactt tctctcatcg gttattgtcc ctagaagcgt cttctgagga 240
ctcagttggg ctttctttct ggggttgggc catttcantt ctcattgtgt tactattcta 300
tcattattgt ataacggttt tcaaacctngt gggcacncag agaacctcac ctgttaataa 360
caatgaggaa lagccacggt gatctccagg cccaaatctc tccatgttnt cccagagctc 420
ctccagccaa cccaaatagc cgtcgtcatn gtgtagaaca tccctgm 467

<210> 76
<211> 400
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 76
aagctgacag ccttcggggcc gagatgtctc gctccgtggc cttagctgtg ctgcgctaac 60
tctctcttct tggcctggag gctatccagc gtactccaaa gattcaggtt tactcacgtc 120
atccacgaga gaattggaaag tcaaatcttc tgaattgtct tgtgtctggg ttctacacct 180
cgcacattga agttgaotta ctgaagaatg gagagagaaat tgaaaaangt gagcattoag 240
actgtctctt cagcaaggac tggctcttct atctcttgta ctacactgaa ttccacctca 300
ctgaaaaaga tgagtatgct tgcctgtgtg accatgtgac ttgttcacag cccagagatg 360
ttnagtggga tgganacatg taagcagdan catggggaggt 400

<210> 77
<211> 248
<212> DNA
<213> Homo sapien

<400> 77
ctgagatgcc ttggtgttct aagccctctc aggaagcaga atgcaccttc tgaggacct 60
ccagctgcgc cggcggggga tgcgaggctc ggaacacctt tgcctggctg taattgtctg 120
caggcactgt tcaactcaga ttctctgtcc ctttctctcc ggcacagctc tctgctgaaa 180
gttcaatctt ggagctgtat gtcttaacga ataaaggctc catgtctcac cggaaaaaaa 240
aaaaaaaa 248

<210> 78
<211> 201
<212> DNA
<213> Homo sapien

<400> 78
actagttcac tgtggtggaa ttcaattgtg ttggggccaa cacaatggct accttaaca 60
tccaccagac cccgcctctc cctgcccaca cgtgtctgtt aagcadagta tgatgttaa 120
tttctacttc ggaactatt ttatgtgaaat taatgtatgc ttctctgttt ataatgtct 180
gatttaaaaa aaaaaaaaaa a 201

```

<210> 79  
 <211> 552  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...{552}  
 <223> n = A,T,C or G

<400> 79  
 tccttttgggt aggttttttga gacaccccta gacctaaact gggtcacaga cttttgaaty 60  
 tttaggcagt gctagttaatt tctctgtaact gattctgtta ttactttctt attctttatt 120  
 cctctttctt ctgaagatta atgaagttga aaattgaggt ggataaatac aaaaaggtag 180  
 tgtgatagta taagtatcta agtgcagatg aaagtgtggt atatatatcc attcaaaatt 240  
 atgcacgtta gtaattactc aggyttaact aaattacttt aattctgtgt tgcaactact 300  
 ctgttctcttg gtagaataaaa attataaada ggaatttgggt agtttgggaa gcccaattga 360  
 taactatttcta tttcttaaaa gttgggctat scataaanta tnaagaataa lggaaatttta 420  
 ttccaggaaa tatggggttc atttatgaat antaccggg anagaagitt tganntaaac 480  
 cngttttggt taatcagcta atatgtctct aatnaaacag gontgactta tttccaaaaa 540  
 aaaaaaaaaa aa 552

<210> 80  
 <211> 476  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...{476}  
 <223> n = A,T,C or G

<400> 80  
 acagggacttt gagatgctaa ggcccacagag atcgtttgat coaacctctt tattttcaga 60  
 ggggaataatg gggcctagaa gttaacagac atctagctgg tgcgtctgga cccctgggct 120  
 cacacagact ccagagtagc tgggactaca ggcaacacgt cactgaagaa ggccctgttt 180  
 gcaattcaag ttgccacctc caacttaaac attcttcata tgtgatgtcc ttatgtcata 240  
 aggttaaacct ttcccaccca gaataaggcaa cttagataaa atcttagagt acttccatac 300  
 tctttcaagt cctcttccag cctcactttg agtccctctt ggggggttgg aggaantatc 360  
 tcttgggttt ctcaataaaa tctctatcca tctcatgttt aatttggtae gntaataaat 420  
 gctgaaaaaa ttaaatgttt ctggtttctc tttaaaaaaa aaaaaaaada aaaaaa 476

<210> 81  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...{232}  
 <223> n = A,T,C or G

<400> 81  
 tttttttttg tatccctctt ctgttgggtt attgttgttg ccacccctgga ggagccaggt 60  
 tctttctcta tctttctctt ctgggggttc tctctgtgtc tgcacctcca ttccagagct 120  
 cctaccccga tcttgcactt ttgctagggg tggagggcgt tctctggttg cccctcagag 180  
 actcagtcag cgggaataag tcttaggggt ggggggtgtg gcaagccggt ct 232

```

<210> 82
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 82
aggcgggagc agaagctaaa gccaaagccc aagaagagtg gcagtgccag cactgggtgc 60
agtaccagta ccaataacat gccagtggca gtgccagcac cagtgggtggc ttccagtgtg 120
gtgcacagct gaacgcacact ctccacatttg ggtctctcgc tggcctctggg ggagctgggt 180
ccagcacaccg cggcagctct ggtgctctgtg gttctctcta caagtggagt tttagatatt 240
gttaactctg ccagctcttc tcttcaagcc aggggtgcctc ctccgaaacc tactcaacc 300
agcaactcttg gcagccacta tcaatcaatt gaagttgaca ctctgcatta aatctatttg 360
ccatttcana aaaaaaaaaa aaa 383

<210> 83
<211> 494
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

<400> 83
acgaattgg gaccctctgg tctaaagcga tcatgtcttc cagtiattacc tcaacgagca 60
gggagatcga gtcttatcgc tgaagaaait tgaccctgatg ggacaaacaga cctgtctcagc 120
ccatctgtct cgggtctctcc cagatgacaa alactctcga ccccgaaatca ccatcaagaa 180
acgtcttcag gtgctctatga cccagcaaac cggcctctgtc ctctcaggggt ccttaaacctg 240
atgtctcttc tgcacacttg taccctctcgg agactctcga accaaactctc tcggactgtg 300
agcctctgatg ccttttttgc agccatactc ttgggtctcc agtctctctgt ggctattgat 360
tatgtcttgt tgaggccaatc atggtggcat caccatnaa gggaacacat ttganttctt 420
tcttcctat tttaaattac taaccagaata ttccagaata aatgaattga aaactcttta 480
aaaaaaaaaa aaaa 494

<210> 84
<211> 380
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 84
gctgtgtagg tatggcgttg ccacggangg gctctgtagg caagggaacg tgacttccca 60
agtatctcgc gcgcgctctt ctaccgtctcc tactctgcaga tcttcgggca gattccccag 120
gaggaactcg acgtggcctc catgggacac agcaactgct cgtctggagcc cygctctctg 180
gcacacctcc ctgggggcac ggggggcacc tgcgtctccc agtatgccaa ctggctgggt 240
gtgtgtctcc tgcctacttt cctgtctcgg gccaaactcc tgcgtgtcac ttgctcaatg 300
ccagtctcag ttacacattc ggcaaaagta agggcaacag ccatctctac tgggaaggcc 360
agcgtctcgg cctcatcctg 380

```

```

<210> 85
<211> 481
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 85
gagttagctc ctccacaacc ttgatgaggt cgtctgcagt ggctctctgc ttcatatccg 60
tncctcgtgc atactgtagg ttgccaccca cctcctgcct ctgggggggg ctaatatcca 120
ggaaactctc aatcaagtcn ccgtcnatna aacctgtggg tggttctctc ttccgctcgg 180
tgtgaaggga tctccagaag gagtgcctga tcttccccc accttttgatg accttatfga 240
gtcgattctg catgtccdag agggagctgt accagctctc tgacagtgag gtccaccagc 300
ctatcatgcn ntgaacgtg ccgaagaaca ccgagccttg tgtggggggg gnagctctac 360
ccagattctg catcaccaga naccgctggc aaaaaganat gacaaactcg ccaggnngaa 420
aagaacacac tctcggaggt gctngccgct cctcgtccct tgggtggangc gctnccctt 481
t

<210> 86
<211> 472
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 86
aacatcttcc tgtatcaatg tgtgtaatat cgatccgatn ttgtctgtgt agaattccat 60
acttggaaaa gcaactttaa gcctgggacac ttggtattaaa attcacaata tgcacacctt 120
taaacagtgt gtcaatctgc tcccttaact ttgtatcacc agtctgggaa taagggtatg 180
ccctattcac aacctgttaa agggcgctaa gccattttga ttcaacatct ttttttttga 240
cacagtctcg aaaaaagcca aagtaaacag ttttcaactt gttagccaat tcaactctct 300
catgggacag agccatttga tttaaaaagc aaattgcata atattgagct ttggggagctg 360
atacttgagc ggaagantag cctttctact taccagaca caactccttt catattggga 420
tgttnacnaa agtatgtctc ottacagatg ggtgtctttt gtggcaattc tg 472

<210> 87
<211> 413
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

<400> 87
agaaacccgt attctctnaaa acacactctc ataccctgtg gacctaatit tgtgtgctgt 60
tgtgtgtgtg cgcacactat atagaaaggt acctctcttt tacttttga aaagcttatg 120
ctctcttggt atctataact gtgaagttt taatgatctg cctaatctgc ttggggacct 180
ttgtctcttg tgaataatgt actagagaaa accctctatc tatgagtcac tctagtctgt 240
tttatctgac atgaaggaaa ttcccgatn acacactna oaaactctcc cttagactagg 300

```

```

ggggacaaag aaaaacanaa ctgaacatna gaacaattin cctgggtgaga aattncataa 360
acagaataatg ggtngtatat tgaanananog catcattnaa acgttttttt ttt 413

```

```

<210> 88
<211> 448
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

```

```

<400> 88
cgcagcgggt cctctctatc tagctccagc ctctcgcctg ccccaatccc cgcgtcccgcc 40
gtctctagccn accatggcgc ggccccctgc cgcctcgcctg ctctctctgg ccctctctggc 120
cgtggcctcg gcctgtgagc cgcggggcgc ctccagctcc ggcaagccgc cgcgtctgggt 180
ggggagccca tggaccccgc gtggaagaag aaggtctgcg ggtgcactg gactttgncg 240
tggcmanata caaacaaccc gcaacnactt ttacnagcn cgcgtctcag gttgtggcgc 300
cccaanacaa tttgtactng gggtaantaa ttcttggag ttgaacctgg gccaaacnng 360
tttacacaga cncagccaat tngaacaatt nccctcccat aacagccctt tttaaaaagg 420
gaancantcc tgnctctttt caaatctt 448

```

```

<210> 89
<211> 461
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

```

```

<400> 89
gaatttttgg cactggccac tgtgatggaa ccaattgggc aggatgcttt gagtttatca 60
gtagtgtatt tgcacaagtt ggtgtttgtaa catgagtatg taaaatgtca aaaaattagc 120
agaggtctag gcttcacatc cagragacag ttctgtccgtg tatttttgtag ccttgaagtt 180
ctcagtgaca agtttntctt gatgcgaagt tctnactcca gtgttttagt cctttgcac 240
tttatgtttn agacttgcct ccttnaaatt gcttttgttnt cctgcaggta ctatctgttg 300
tttaacaaaa tagaanaact tctctgcttn gaanatttga atactctaca tctnaaaatn 360
aatctctccc ccatannaaa acccangccc ttgganatt ttgaaaaang gntcctctnn 420
aattcnana anttcagnn tcatcaaca naacngganc ccc 461

```

```

<210> 90
<211> 400
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

```

```

<400> 90
agggaattga ggtctnttnt actgtgggac tgttcneca ccaactctac aagtgtgtgt 60
cttcacactc ctgtctgtaa gcntntaac caggaactga tcttcataaa tagaacaat 120
tcttcacagc tcaactcttc taggaccttt ttggattcag ttagtatagc cctctccact 180
tcctttgtta agacttcac tggtaagtc ttaagttttg tagaaaggaa ttttaattgt 240

```



```

cgtctctctaa caaagtctctc locttgaagt atttggctga acaacccccc taaagtctctc    300
ttgtgcctcc attttaataa tacttaaatag ggcattggtn cactaggtta aattctgcaa    360
gagtcatchtg tctgcaaaag ttgcgttagt atactcgcaa    400

```

```

<210> 91
<211> 480
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

```

```

<400> 91
gagctcgagat ccaataatct ttgtctgagg gcagcacaca tatncagtcg catgguaact    60
ggctctacccc acatggggagc agcatgcggt agntatataa ggtcattccc ttagtccagcc    120
atgcctctctt gactaaccttg tgcagtgctt ggtggtcttc acacacntcc nmccgctctt    180
tgtggaaaaa ctggcacttg nctggaaacta gcaagacntc acctacaaat tcccccaaga    240
gacacttgaa aggtgttaaca aagcgactct tgcattgctt ttgttccctc cggcaccagt    300
tgtcaatact aaccocgctg ttgtcctcca tcaacattgt gatctgtagc tctggataca    360
tctctcgaca gtactgaaga acttctctct ttgtttcaca agcaactctt ggtgcctggt    420
ngactaggtt cccatttccc agtcogaagt ttcacatggc atatnltact tccccaaaa    480

```

```

<210> 92
<211> 477
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

```

```

<400> 92
atacagcccc nateccaccg ogaagatgcy ctgtgtgact gagaacctga tgggttact    60
ggctccgctg tagccccagc gaactctcac ctgctggaaag cgggttgatgc tgcactctct    120
cccaagcagc cagcagcggg gccggtcaat gaactccact cgtggcttgg ggttgacggt    180
taanigcagg aagagctgca ccacotcgug gtccanccagg atgcocgact gtgcgggacc    240
tgcagcgaaa ctctctgatg gtcatgagcg ggaagcgaaat gaggccaaag gctttggcca    300
gaaccttccc cctgttctct ggcttccact ggcagctgctg cgccttaccac tggcctctgc    360
accagggac aaaagcggtt gaacagcgc accctacgga tgcctantgt gtccgctctc    420
aggaacggcn ccagcgtgtc caggtcaatg tcggtgaanc ctcccggggt aatggcg    477

```

```

<210> 93
<211> 377
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

```

```

<400> 93
gaaagcctgg accttgctcc gatttggctt gctggcagga atacccttggc aagcagctcc    60
agtcnagaca gcccacagac gctgcccgcc gaagctaaag ctgcctctgg ccttccctcc    120
cgctcaatg cagaaccant agtgggagca ctgcgtttag agttaagagt gaacactgtn    180

```

```

tgattttact tgggaatttc ctctgttata tagcttttcc caatgtataa tttcaaaaca 240
caacaacaaa ataacatgtt tgcctgtttn gtctgtataa agtangtgat tctgtatata 300
aagaaaaatc tactgtttaca tatactgtct gcaantctgt tatttatgtg tntctgtgaa 360
ataaatatat tattaaa 377

```

```

<210> 94
<211> 495
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

```

```

<400> 94
cccttgagg ggtaggggtc tagttccrag tggaaagaaa agggccaggag aantgggtgc 60
cgagctgagc cagatttccc acagtgaccc cagagccctg ggctatagtc tctgacccct 120
ccaaaggaag accacccttc ggggacatgg gctggagggc aggaacctaga ggcaccaagg 180
gaaggcccca ttcggggggt gtccccgag gaggaaggga aggggctctg tctgcccccc 240
acgaggaana ggcctctgnt cctggggatca nacacccctt cactgttacc cccacacaaa 300
tgcaggtcca ccaaggtccc ctctcagttc ctccccaca ccttgaacgg ncaatggccc 360
acacccaccc agancancca cccgccatgg ggaatgttct caaggaatcg chgggcaacg 420
tggactcttg tccnnaaggy ggggagaatc tccaatagan ggaagaaacc ctgtctnana 480
aaaaaanaa aaaaaa 495

```

```

<210> 95
<211> 472
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

```

```

<400> 95
ggttactcgg tttcattgcc accacttagt ggaatgtcatt kagaaccatt ttgtctgctc 60
cctctggaag ccttggcgag agcggacttt gtaattgttg gagaataact gntgaatttt 120
tagctgtttt gagttgatcc gccccactgc accacaactc aatatgaaaa ctatttacct 180
tattttatat ctgttgaaaa gtatacaatg aaatttttgt tctaatctgta tttatcaagt 240
atgatgaaaa gcaatagata tatattcttt tattatgttn aattatgatt gccattatta 300
atcgggaaaa tgtggagbgt atgttctttt caccgttaaa tatgactttt gtaacttccac 360
ttgttatatt tactgttaat gaattacaaa attcttaatt taugaaaatg gtangttata 420
ttanttcan taatttcttt ccttgtttac gtttaatttt aaaagaatgc at 472

```

```

<210> 96
<211> 476
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

```

```

<400> 96
ctgaagcatt tttcaaacct tntctacttt tgtcaatgat acctgtagta agttgcaaat 60

```

```

gtgggtgaat ttcacaaatc tatgaaactt ctactagttt tactttcccc ccccaagtctt 120
ttttaactca tgattttttac acacacacac cagaacttat tatatagcct ctaagttctt 180
attcttcaca gtatgatgat aagaggtcct ccagtgctct gngcnaaatg ttctagntat 240
agctgggatac atacngtggg agttctataa actatatact cagtgggact naaccacaaat 300
tgtgttagtc tcaattctca ccacactgag ggagcctccc aaatcactat attcttatct 360
gcagggtactc ctccagaaaa acngacaggg caggctctga tgaasaagtn acatctcgct 420
tacaagctct attctctctca nangctctgtt aaggacaaat ttaattctct agcttt 476

```

&lt;210&gt; 97

&lt;211&gt; 479

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(479)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 97

```

actctttctc atgtctgact gatcttgagt ataagaatgc atattgtcact agaatggata 60
aaataatgct gcaaaactta tgttcttatg caaaatggaa cgttaatgaa acacagctta 120
caactcgcaa tcaaaactca caagtgtctc tctgtgttag atttagtgta atagacttta 180
gatttggctc ctccggatat gattgtttct canatcttgg gaaatnttcc ttagtcaaat 240
cagggtacta gaattcttgt attggtatct tggaggtatg aaatttttaa naatcacatt 300
gtgattatna aattaatcac aaatttcaat tatacctgct atcagcagct agaaaaaat 360
ntnnttttta natcaagta ttttgtgttt ggaaatgttn aaatgaatc tgaagtgtgg 420
ttonactctt ttttttccn gaactactat tctcttttta gggaatatto tganccalc 479

```

&lt;210&gt; 98

&lt;211&gt; 461

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 98

```

agtgaattgt cctccacaa aaccccttga taaagtttgt ggcactgaca atcagacctt 60
tgtatgttcc tgtcatctat tgcctactaa atgcagactg gaggggacca aaaaggggca 120
tcaactccag ctggattatt ttggagctcg caaatctatt cctacttgta cggactttga 180
agtgaattcg ttctctctac gaatgagaga ctggctcaag aatatctou tgcagcttta 240
tgaagaaact ctgaacacgc ttgttatctc gatggagaca tgaacaaatca gtccagaaaa 300
ttacctggag aaaaagagct ttggctgggg accatcccat tgaacotctc ctttaaggact 360
ttaagaaaaa ctacccacat ttgtgtatcc tgggtccggc cgtttatgaa ctgaccaccc 420
tttggaataa tcttgacgct ctgaaacttg ctctcttggc a 461

```

&lt;210&gt; 99

&lt;211&gt; 171

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 99

```

gtggcgcgcg gcaggtgttt cctcgtacgc cagggcaccc tcccttcccc aggcgtccct 60
cggcctctct gcgggcgcga gtaggagcgg ctggcgggtg gggggagtggt gacccaccc 120
cggcgagaaa agccttctct agcagatctg gagggctgac ttgggggtac c 171

```

&lt;210&gt; 100

&lt;211&gt; 269

&lt;212&gt; RNA

&lt;213&gt; Homo sapien

<400> 100  
 cggcgcgaag tgcacatcca gctggggccg tgcgggacaa gattctgcga gcagttgggtc 60  
 cgaactgcag gacggcgccg ggcacagtcg caggtgcacg gcggcgccct ggggtcttgc 120  
 aaggctgagc tgcgcgcgca gaggctcggtt cactctccac gacctgcagc ccgtcggggga 180  
 cagccgggac agagcccggt gaagcgggag gccctcggga gccctcgggt aaggcgcgcc 240  
 cgaagagata gcaggtgcag gtggcgcc 269

<210> 101  
 <211> 406  
 <212> DNA  
 <213> Homo sapien

<400> 101  
 tttttttttt ttctgggaat tactggcgag ccagcaggtc agcaacaagt tttttttgca 60  
 gctagcaagg taacagggtta gggcatgggt acatgttcag gtcaacttcc ttgtctgtgg 120  
 ttgattgtgt ttgtctttatg gggcgcggggt ggggttaggg aaacgaagca aataacatgg 180  
 agtgggtgca cctctccgtt agaacctggt tacaaagctt gggcgagttc acctggtctg 240  
 tgcacgttat tttcttgaca tcaatgttat tagaagtcag gatatcttcc agcgagttca 300  
 ctgtctctga gggagcttag ggtttcttgc caaatccac aaaaatccact gaanaagttg 360  
 gatgatcagt acgaataccg aggcataatc tcatactcgt ggcca 405

<210> 102  
 <211> 476  
 <212> DNA  
 <213> Homo sapien

<400> 102  
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<210> 103  
 <211> 581  
 <212> DNA  
 <213> Homo sapien

<400> 103  
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<210> 104  
 <211> 576  
 <212> DNA  
 <213> Homo sapien

&lt;400&gt; 104

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&lt;210&gt; 105

&lt;211&gt; 538

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 105

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&lt;210&gt; 106

&lt;211&gt; 473

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 106

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&lt;210&gt; 107

&lt;211&gt; 1621

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 107

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&lt;210&gt; 108

&lt;211&gt; 382

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 108

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35 40 45
Gly Lys Arg Ser Leu Val Leu Asp Leu Lys Gln Pro Arg Gly Ala Ala
50 55 60
Val Leu Arg Arg Leu Cys Lys Arg Ser Asp Val Leu Leu Glu Pro Phe
65 70 75 80
Arg Arg Gly Val Met Glu Lys Leu Gln Leu Gly Pro Glu Ile Leu Gln
85 90 95
Arg Glu Asn Pro Arg Leu Ile Tyr Ala Arg Leu Ser Gly Phe Gly Gln
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Ser Gly Ser Phe Cys Arg Leu Ala Gly His Asp Ile Asn Tyr Leu Ala
115 120 125
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130 135 140
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Ala Leu Gly Ile Ile Met Ala Leu Phe Asp Arg Thr Arg Thr Asp Lys
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Gly Gln Val Ile Asp Ala Asn Met Val Glu Gly Thr Ala Tyr Leu Ser
180 185 190
Ser Phe Leu Trp Lys Thr Gln Lys Ser Ser Leu Trp Glu Ala Pro Arg
195 200 205
Gly Gln Asn Met Leu Asp Gly Gly Ala Pro Phe Tyr Thr Thr Tyr Arg
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Thr Ala Asp Gly Glu Phe Met Ala Val Gly Ala Ile Glu Pro Gln Phe
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Tyr Glu Leu Leu Ile Lys Gly Leu Gly Leu Lys Ser Asp Glu Leu Pro
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305					310					315					320
Gln	Asp	Val	Ser	Pro	Arg	Pro	Ala	Pro	Leu	Leu	Leu	Asn	Thr	Pro	Ala
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Ser	Asp	Lys	Lys	Ile	Ile	Glu	Ser	Asn	Lys	Val	Lys	Ala	Ser	Leu	
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4230 109

4211 1524

4232 DNA

«213» Rome rapier

400 109

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<210> 330

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«212» ЭНЕР

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440-02 136

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&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 111

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&lt;210&gt; 112

&lt;211&gt; 115

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 112

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1      5      10      15
Leu Gly Pro Lys Ile Val Ile Val Ser Lys Met Met Lys Asp Val Phe      20
20      25      30
Phe Phe Leu Phe Phe Leu Gly Val Trp Leu Val Ala Tyr Gly Val Ala      35
35      40      45
Thr Glu Gly Leu Leu Arg Pro Arg Asp Ser Asp Phe Pro Ser Ile Leu      50
50      55      60
Arg Arg Val Phe Tyr Arg Pro Tyr Leu Gln Ile Phe Gly Gln Ile Pro      65
65      70      75      80
Gln Glu Asp Met Asp Val Ala Leu Met Glu His Ser Asn Cys Ser Ser      85
85      90      95
Glu Pro Gly Phe Trp Ala His Pro Pro Gly Ala Gln Ala Gly Thr Cys      100
100      105      110
Val Ser Gln Tyr Ala Asn Trp Leu Val Val Leu Leu Leu Val Ile Phe      115
115      120      125
Leu Leu Val Ala Asn Ile Leu Leu Val Asn Leu Leu Ile Ala Met Phe      130
130      135      140
Ser Tyr Thr Phe Gly Lys Val Gln Gly Asn Ser Asp Leu Tyr Trp Lys      145
145      150      155      160
Ala Gln Arg Tyr Arg Leu Ile Arg Glu Phe His Ser Arg Pro Ala Leu      165
165      170      175
Ala Pro Pro Phe Ile Val Ile Ser His Leu Arg Leu Leu Leu Arg Gln      180
180      185      190
Leu Cys Arg Arg Pro Arg Ser Pro Gln Pro Ser Ser Pro Ala Leu Glu

```

195	200	205
His Phe Arg Val Tyr Leu Ser Lys Glu Ala Glu Arg Lys Leu Leu Thr		
210	215	220
Trp Glu Ser Val His Lys Glu Asn Phe Leu Leu Ala Arg Ala Arg Asp		
225	230	235
Lys Arg Glu Ser Asp Ser Glu Arg Leu Lys Arg Thr Ser Gln Lys Val		
245	250	255
Asp Leu Ala Leu Lys Gln Leu Gly His Ile Arg Glu Tyr Glu Gln Arg		
260	265	270
Leu Lys Val Leu Glu Arg Glu Val Gln Gln Cys Ser Arg Val Leu Gly		
275	280	285
Trp Val Ala Glu Ala Leu Ser Arg Ser Ala Leu Leu Pro Pro Gly Gly		
290	295	300
Pro Pro Pro Pro Asp Leu Pro Gly Ser Lys Asp		
305	310	315

&lt;210&gt; 113

&lt;211&gt; 553

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 113

Met Val Gln Arg Leu Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala		
1	5	10
Gln Leu Leu Leu Val Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu		
20	25	30
Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Glu Val Gly Val		
35	40	45
Glu Glu Lys Phe Met Thr Met Val Leu Gly Ile Gly Pro Val Leu Gly		
50	55	60
Leu Val Cys Val Pro Leu Leu Gly Ser Ala Ser Asp His Trp Arg Gly		
65	70	75
Arg Tyr Gly Arg Arg Pro Phe Ile Trp Ala Leu Ser Leu Gly Ile		
85	90	95
Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala Gly Trp Leu Ala Gly Leu		
100	105	110
Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu Ala Leu Leu Ile Leu Gly		
115	120	125
Val Gly Leu Leu Asp Phe Cys Gly Gln Val Cys Phe Thr Pro Leu Glu		
130	135	140
Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro Asp His Cys Arg Gln Ala		
145	150	155
Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu Gly Gly Cys Leu Gly Tyr		
165	170	175
Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser Ala Leu Ala Pro Tyr Leu		
180	185	190
Gly Thr Glu Glu Glu Cys Leu Phe Gly Leu Leu Thr Leu Ile Phe Leu		
195	200	205
Thr Cys Val Ala Ala Thr Leu Leu Val Ala Glu Glu Ala Ala Leu Gly		
210	215	220
Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala Pro Ser Leu Ser Pro His		
225	230	235
Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe Arg Asn Leu Gly Ala Leu		
245	250	255
Leu Pro Arg Leu His Gln Leu Cys Cys Arg Met Pro Arg Thr Leu Arg		
260	265	270
Arg Leu Phe Val Ala Glu Leu Cys Ser Trp Met Ala Leu Met Thr Phe		
275	280	285

Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu Gly Leu Tyr Gln Gly Val  
 290 295 300  
 Pro Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg His Tyr Asp Glu Gly  
 305 310 315 320  
 Val Arg Met Gly Ser Leu Gly Leu Phe Leu Gln Cys Ala Ile Ser Leu  
 325 330 335  
 Val Phe Ser Leu Val Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg  
 340 345 350  
 Ala Val Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala  
 355 360 365  
 Thr Cys Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu  
 370 375 380  
 Thr Gly Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala  
 385 390 395 400  
 Ser Leu Tyr His Arg Glu Lys Gln Val Phe Leu Pro Lys Tyr Arg Gly  
 405 410 415  
 Asp Thr Gly Gly Ala Ser Ser Glu Asp Ser Leu Met Thr Ser Phe Leu  
 420 425 430  
 Pro Gly Pro Lys Pro Gly Ala Pro Phe Pro Asn Gly His Val Gly Ala  
 435 440 445  
 Gly Gly Ser Gly Leu Leu Pro Pro Pro Pro Ala Leu Cys Gly Ala Ser  
 450 455 460  
 Ala Cys Asp Val Ser Val Arg Val Val Val Gly Glu Pro Thr Glu Ala  
 465 470 475 480  
 Arg Val Val Pro Gly Arg Gly Ile Cys Leu Asp Leu Ala Ile Leu Asp  
 485 490 495  
 Ser Ala Phe Leu Leu Ser Gln Val Ala Pro Ser Leu Phe Met Gly Ser  
 500 505 510  
 Ile Val Gln Leu Ser Gln Ser Val Thr Ala Tyr Met Val Ser Ala Ala  
 515 520 525  
 Gly Leu Gly Leu Val Ala Ile Tyr Phe Ala Thr Gln Val Val Phe Asp  
 530 535 540  
 Lys Ser Asp Leu Ala Lys Tyr Ser Ala  
 545 550

&lt;210&gt; 114

&lt;211&gt; 241

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 114

Met Gln Cys Phe Ser Phe Ile Lys Thr Met Met Ile Leu Phe Asn Leu  
 1 5 16 15  
 Leu Ile Phe Leu Cys Gly Ala Ala Leu Leu Ala Val Gly Ile Trp Val  
 20 25 30  
 Ser Ile Asp Gly Ala Ser Phe Leu Lys Ile Phe Gly Pro Leu Ser Ser  
 35 40 45  
 Ser Ala Met Gln Phe Val Asn Val Gly Tyr Phe Leu Ile Ala Ala Gly  
 50 55 60  
 Val Val Val Phe Ala Leu Gly Phe Leu Gly Cys Tyr Gly Ala Lys Thr  
 65 70 75 80  
 Glu Ser Lys Cys Ala Leu Val Thr Phe Phe Phe Ile Leu Leu Leu Ile  
 85 90 95  
 Phe Ile Ala Glu Val Ala Ala Ala Val Val Ala Leu Val Tyr Thr Thr  
 100 105 110  
 Met Ala Glu His Phe Leu Thr Leu Leu Val Val Pro Ala Ile Lys Lys  
 115 120 125  
 Asp Tyr Gly Ser Gln Glu Asp Phe Thr Gln Val Trp Asn Thr Thr Met

130	135	140
Lys Gly Leu Lys Cys Gly Phe Thr Asn Tyr Thr Asp Phe Glu Asp		
145	150	155
Ser Pro Tyr Phe Lys Glu Asn Ser Ala Phe Pro Pro Phe Cys Cys Asn		
160	165	170
Asp Asn Val Thr Asn Thr Ala Asn Glu Thr Cys Thr Lys Glu Lys Ala		
175	180	185
His Asp Gln Lys Val Glu Gly Cys Phe Asn Gln Leu Leu Tyr Asp Ile		
190	195	200
Arg Thr Asn Ala Val Thr Val Gly Gly Val Ala Ala Gly Ile Gly Gly		
205	210	215
Leu Glu Leu Ala Ala Met Ile Val Ser Met Tyr Leu Tyr Cys Asn Leu		
220	225	230
Gln		

&lt;210&gt; 115

&lt;211&gt; 166

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 115

gctctttctc tccctctctc tgaatttaac tctttcaact tgcatttgc aaggattaca	60
catttcaactg tgaagtatat tctgttgcac aaaaaaaaaa gtgtcttctg ttaaatattac	120
ttgggttggtg aatccatctt gctttttccc catgggaact agtcattaac ccactctctga	180
actggtagaaa aaacatctga agagctagtc tctcagcctc tgcagggtga attggatggt	240
tctcagaacc atttcaacca gacagctgtg tctctctctg tttataaat tagtttgggt	300
tctctacatc catacaaac ccgctctcaa tctgtcacat aaaagtctgt gacttgaagt	360
ttagtc	366

&lt;210&gt; 116

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(282)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 116

acaaagatga accatcttct atattatagc aaattataaa tctaccctga ttataatatt	60
gagaatctgg atnaaacaca attttataaa gtctacttag agaagatcaa gtgacctcaa	120
agacttctct atttctatc tttaagacac atgatttacc ctattttagt aacttgggtc	180
atacgttaaa caaaggatga tctgaacagc agagaggatt tcttggcaga aaatctatgt	240
tcaatctnga actatctana tccagacatc tctctctctt tt	282

&lt;210&gt; 117

&lt;211&gt; 305

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(305)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 117

```

aacacatgttcg cttcacatgcc ttcttagatg ottctgggtca acatanagga acaggggacca      60
tatttatoot cctctcctgaa acaattggcaa aataaacaaa aatatatgaa acaattggcaa      120
aataaggcaaa aatatatgaa acaacagggtc tcgagatatt ggaaatcagt caatggaagg      180
tactgatccc tgatcacgtg cctaargcag gatgtgggaa acagatgagg ccacctctgt      240
gactgcccca gtttaactgac tgtagagagt ttctangctg cagttcagac aggggagaaat      300
tgggt                                           305

```

```

<210> 118
<211> 71
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (71)
<223> n = A,T,C or G

```

```

<400> 118
accgaagggtg ntgaatctcr gacgtgggga tctctgattc ccgcacaatc tgagtggaat      60
aanctctggg t                                           71

```

```

<210> 119
<211> 212
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (212)
<223> n = A,T,C or G

```

```

<400> 119
actccgggttg ggttcagcag cactgtgggat tgaacatagt aatgtggagc ccaaacccac      60
gaaaatgggg tgaatttggc caacttctca tnaacttatg ttggcaantt tgcaccacac      120
agtaagcttg ccttctcaat aaaagaaat tgaagggttt ctactaanc ggaattaant      180
aatggantca aganaactcc aggcctcage gt                                           219

```

```

<210> 120
<211> 90
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (90)
<223> n = A,T,C or G

```

```

<400> 120
actcgttgca nalcaggggc cccccagagt caccgttgaa ggagctcttc tggctcttgc      60
ctcgcgcggc gcagaacatg ctgggggtgtt                                           90

```

```

<210> 121
<211> 218
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

```

&lt;222&gt; (1)... (218)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 121

tgtanctgtg	anaagacaga	naggggtgtc	aaaaatggag	aacccctgaa	gtcattttga	60
gaataaagat	tgctaaaaga	tttggggcta	aaacatggat	attgggagac	attctctgaag	120
atatanangt	aaattlanga	atgaattcat	gggtcttttg	ggaattccct	tacgatngcc	180
agcctanact	tcatgtgggg	atanoaguta	cccttgta			218

&lt;210&gt; 122

&lt;211&gt; 171

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 122

tagggggtgtg	tgcaactgta	aggacaaaa	ttgagactca	actggcttaa	ccaataaagg	60
catttggtag	ctcatggaa	aggaaagtcg	atgggggggc	atcttcagtg	ctgcattgagt	120
caccaccccg	gggggtgcat	ctgtgccaca	ggctccctgt	gacagtgcgg	t	171

&lt;210&gt; 123

&lt;211&gt; 76

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)... (76)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 123

tgtagcgtga	agacacaga	atgggtgtg	ctgtgctabc	caggaaacaa	tttattatca	60
ttatcaanta	ttgtgt					76

&lt;210&gt; 124

&lt;211&gt; 131

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 124

acctttcccc	aaggccaatg	tctgtgtgtc	tsactggcgc	gttcaggagc	agctgcatt	60
caatgtgctg	ggtcatatgg	aggggaggag	actctaaaat	agccaatttt	attctcttgg	120
ttaagatttg	t					131

&lt;210&gt; 125

&lt;211&gt; 432

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 125

actttatcta	ctggctatga	aatagatggt	ggaaatttgc	gttaccacac	ataccackgg	60
cttgaaaaag	aggtgatagc	tcttcagagg	actgttgact	tttgctcaga	tgctgaagaa	120
ctacagctctg	catcttggcg	aaatgaagat	gaattttgat	taaatgagga	tgctgaagat	180
ttgcctcacc	aaacaaaagt	gaacaaactg	agagaaaatt	ttcaggaaaa	aagcagtggt	240
ctcttgaggt	atcagttaac	tttagaagt	ttttcttagt	actgcatact	tcatgpatcc	300
catgggtggg	gtcttcacc	tgttaagaat	gaatggattt	tgcttttgca	agaattccag	360
caggaaaact	cagaacacac	attttctagc	ctctgttgag	agcaaacctc	agtgcccttc	420
ctctttgctt	gt					432

```

<210> 126
<211> 132
<212> DNA
<213> Homo sapien

<400> 126
acacaacttg aatagtaaaa tgaagaciga gctgaaattt ctaattcact ttctaacct 60
agtaagaatg attattcccc ccaggatca ccaataattt ataaaaattt gt 112

<210> 127
<211> 54
<212> DNA
<213> Homo sapien

<400> 127
accacgaac ccaacaag atggaagcat caatccactt gccagcaca gaag 54

<210> 128
<211> 323
<212> DNA
<213> Homo sapien

<400> 128
acctcattag taattgtttt gtgttttcat ttatttttaa tgtctccctt ctaccagctc 60
acctgagata acagaagaa aatggaagga cagccagatt tctcctttgc tctctgtctc 120
ttctctctga agtctaggtt accatttttg gggaccatt ataggcaata aacacagctc 180
ccaaagcatt tggacagttt ctgttgtgtt tttagaatgg ttttcttttt tcttagcctt 240
ttctgtcaaa aggtcacttc agtcccttgc ttgtctagtg gactgggctc cccagggcct 300
aggctgcctt cttttccatg tcc 323

<210> 129
<211> 192
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(192)
<223> n = A,T,C or G

<400> 129
acacacatgt ggtatatttt ttaaatatca ctattgtatc acctcgactt tttagcatat 60
tgaacaacaa caaacatcat ttntgtgaac catgatccga taacaaccaa atcattcatt 120
tagcacattc atctgtgata nnaagatagg ttagtttcat ttctttccag ttggccaatg 180
gataacaaa gt 192

<210> 130
<211> 162
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G

<400> 130
ccctttttta tggaatgagt agactgtatg tttaaanatt tancacacac ctctttgaca 60

```

```

tataatgaag caacaaaaag gggtgtttt gtcttatggt taagtttatg cccctgaca 120
gtttccattg tgttttgcgc atctctctgg taatctgggt atctcccatg ttattagtaa 180
ttctgtattc catcttctga acgctctgga gatgtaacct gctangaggc taactttata 240
cttattttaa agctctctat ttgtgttcac taaaatggca atttatgtgc agcactttat 300
tgcagcagga agcacgtgtg gggtggttgt aaagctcttt gctaatctta aaaagtaatg 360
gg

```

&lt;210&gt; 131

&lt;211&gt; 332

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (332)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 131

```

ctttttgaaa gatcgtgtcc actctgtggt acatcttgtt ttaatggagt ttcccatgca 60
gtangctagg tatgttgca gctgtccaga taaaaacatt tgaagagctc caaaatgaga 120
gctctccag gctgtccctg ctgtctcaag tctcagcagc agcctctttt agggggcttc 180
ttctgaacta gattaaggga gcttgtaaat ctgattgtat ttggtttatt atccaactaa 240
cttccacttg ttatcactgg agaaagccca gactccccan gacnggtacg gattgtgggc 300
atanaaggat tgggtgaagc tgggtttgtg gt

```

&lt;210&gt; 132

&lt;211&gt; 322

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (322)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 132

```

acrtttgcca ttttgtatat ataaacaatc ttgggacatt ctctgaaaa ctagggtgtcc 60
agtggctaaag agaactcgat ttcaagcaat tctgaaggga aaacacagat gacacagaat 120
ctcaaatcc caaacagggg ctctgtggga aaatgtgggg agggaccttg taactcgggt 180
tttagcaagt taaatggan atgacaggaa aggccttatt atcaacaaag agaaagattg 240
ggatgcttct aaaaaaaact ttggttagaa aaataggaa gctnaactct agggagacct 300
gtacaactct acaattgtgc ca

```

&lt;210&gt; 133

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (278)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 133

```

acaagcttc acaagtttaa ctaaaatggg attaatcttt ctgtanttat ctgcataatt 60
cttgttttct ttctctctgt gctccctggg tgcacatttg tggacacaa cttcttggta 120
ctattttaaa aaatatcaaa atctttccct tcaagctatg cttaattcaa actctctctg 180
ctattcttgt ttgtcaag aaattatatt ttccaaata tgtntatttg ttgtatgggt 240

```



```

ccacgaaac actaataaaa accacagaga ccagcttg          278

<210> 134
<211> 321
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(121)
<223> n = A,T,C or G

<400> 134
gtttanaaaa cttgttttagc tccatagagg aaagaatggt aaactttgta ttttaaaaca      60
tgattctctg aggttaaaat tgggttttcaa atgttatbtt tacttgtatt ttgcttttgg      120
t                                          121

<210> 135
<211> 359
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G

<400> 135
acttanaaac atgccttagca catcagaatc cctcaaaagaa catcagtata atcctatacc      60
atancaagtg gtgacttggtt aagcgtgcga caaaggtcag ctggcaacttt acttgtgtgc      120
aaacttgata cttttgtttt aagtgggaac taatatcacg taccataggaa tggtaactca      180
gggtgccccc caactcctgc agccgctcct ctgtgcacag ccttgaaggg aaactttcgg      240
ccacactcaat caagccctggt gccatgctac ctgcaattgg ctgaacaaac gttttcgtgg      300
ttccaaagga tgcaaagcct ggtgctcaac tcttggggcg tcaactcagt      350

<210> 136
<211> 399
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 136
tgtacagtga agacgacaga agttgcattg cagggaacagg gcaggggcoga ggcacaggggt      60
gctgtgattg tatccgaata ntctctgtga gaaaagataa ctgagatgaag tgagcagcct      120
gcagacttgt gttcgccttc aanaagccag aaaggaaagg cctgctctgc ttggctctga      180
cctggcgccc agccagctag ccacaggttg gcttcttccf tttgttgtga caaccccag      240
aaaactcgag agggcccagg tcaggtgtga gtgggtlangt gaccataaaa caccaggtgc      300
tccacagaaac ccgggcaagag gccatccccca cctacagcca gcattgccac tggcgtgatg      360
ggtgcagang gatgaagcag ccagntgttc tgctgtggt      399

<210> 137
<211> 165
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> {1}...{166}
<223> n = A,T,C or G

<400> 177
actggtgttg tgggggtgga tgcctgggtggt anaagttgan gtgaacttcan gatggtgtgtg      60
ggaggaaagtg tgtgaagta ggggtgtaga agttttggcc gtgctaaatg agcttgggga      120
ttggctgggtc tcaatgtgtg tcaactgtcat tggtaggggtt cctgt      165

<210> 138
<211> 338
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> {1}...{338}
<223> n = A,T,C or G

<400> 138
actcactgga atgcacacatt cacaacagaa tcagagggtat gtgaaacat taatggctcc      60
ttaactttct cagtaagaat cagggtacttg aaatggaaac yllaacagcc acatgcccua      120
tgctggggcag tctccatgct cttccacagt gaaagggtctt gaaaaaaatc acatccaatg      180
tcabtggttt ccagccacac caaaaggtgc ttgggtgggg gggctggggg catananggt      240
cangctcag gaagctcaca gttccatcca gctttgcac tgtacattcc ccatttttaa      300
aaaaactgat gccttttttt tttttttttg taaaattc      338

<210> 139
<211> 382
<212> DNA
<213> Homo sapien

<400> 139
gggaatcttg gtttttggca tctggtttgc ctatagccga ggccactttg acagaacaaa      60
gaaagggtat tcaggtgaaga aggtgattta cagccagcct agtgcccgaa gtgaaggaga      120
attcaaacag acctcgtcat tctggtgtg agcttgggtg gctcacggcc tatcatctgc      180
atctgctcta ctcagggtct acaggactct ggcctcctgat gtctgtagt tcacaggatg      240
ccttatttgt cttctacacc caacagggcc ccttactctc tgggatgtgt ttttaataat      300
gtcagctatg tgcacctatc tcttcatgct cctcctctcc ttctctacca ctgctgagtg      360
gcttggaatt tgtttaagt gt      382

<210> 140
<211> 200
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> {1}...{200}
<223> n = A,T,C or G

<400> 140
accaaanctt cttctggtg tgttngattt tactataggg gtttngcttn tctcaaanat      60
actttcattt taacacattt tgttaagtgt cagggtgcac tttgtccat anaattattg      120
ttttcattt tcaacttga tgtgtttgtc tcttaagaa tgggtgaat cactattttt      180
atatttcgca taaggagaa      200

```

```

<210> 141
<211> 335
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 141
actttatttt caaaacactc atatgtttga aaaaacacat agaaaaataa agtttgggtgg      60
gggtgtgtga taaccttcaa gtccacagact tttatgtgac agattggagg aggggtttgtt      120
atgcatgtag agaaccctaa ctaattttatt aacacaggata gaaacaggct gtctgggtga      180
aatggttctg agaaccctcc aattcacctg tccagatgctg atanactagc tcttcagatg      240
ttttttacc agttcagaga tnggttaaat actanttcca atggggaaaa agcaagatgg      300
attcacaaac caagtaactt taacaanaga cactt                                     335

<210> 142
<211> 459
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 142
accagggttaa taltgccaac tataaccctt ccaattgcgg gataaacaga cgtgtatttta      60
gggttgttta aagacaaccc agcttaatat caagagaaat tgtgaccttt caggagatgt      120
ctgatggaga aaacactggg ttttgacaaa tcttatctta tccagatagc agtcctgata      180
cacatgggtcc aacacactcc aactaataaa taaaatatna tccagatgta aagatttggtc      240
ttcaaacatc atagcccaatg atgccccgct tgcctataat ctctccgaca taataacaca      300
tcaaaccttc agtggccacc aaaccattcc gcacagcttc cttaactgtg agctgtttga      360
agctaccagt ctgagcacta ttgactatnt ttttcangct ctgaatatgt ctagggatct      420
cagcagggtt gggaggaaac agctcaacct tggcgtaat                                     459

<210> 143
<211> 140
<212> DNA
<213> Homo sapien

<400> 143
aacatttcctt ccacccagtc aggaactctg gcttcctgtg gagttcttat caccctgaggg      60
aaatccaaac agtctctctt agaaaggaaat agtgtccaca accccaacca tcccctcagg      120
accatccgac ttccttctgt                                     140

<210> 144
<211> 164
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(164)
<223> n = A,T,C or G

```

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<480> 144
acttcagtaa caacatatac aaacacacatt aagtgatatac tgcacatcttt gtcactttct 60
atctatatac ctctcctctt tgaacacaa aaacacacac caatcactta tacaactttg 120
aggcaattaa tccatatttg tttcaataa ggaacaaaag atgt 164

<210> 145
<211> 303
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

<490> 145
acgtagacca tccaaatttg tatttgtaat ggcaaacatc cagnagcaat tccataacaa 60
actggagggg atttatccc aattatccc ttcattaaca tgcctcctc ctacaggcat 120
gcaggacagc tatcataagc cggcccagge atccagatac taccatttgc ataaccttca 180
ttagggaggt ccatccaaat gacaggctca atcaaggagc gaatatggaac ataaagcgaag 240
tgataaataa ctgtttagct gaaacagcca caaaagactt accgongtgg tgattaccat 300
caa 363

<210> 146
<211> 327
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

<400> 146
actgacgctc aattagaagt ggtctctgac ttctcatcac ttctcctctg gctccatgac 60
actggcctgg agtgactcat tgcctctggt ggthgagaga gctcctctgc caacaggcct 120
ccaagtcagg gctgggaatt gtttcccttc cacattctag caacaatatg ctggccactt 180
cctgaacagg gagggtggga ggagccagca tggaaacaagc tggcactttc taaagtgcgc 240
agacttgccc ctgggctctg cacacctact gatgaccttc tgtgctgcga ggtatggaat 300
taggggtgag ctgtgtgact ctatggt 327

<210> 147
<211> 173
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(173)
<223> n = A,T,C or G

<400> 147
acattgtttt tttagataaa agcatatgaa gagctctcct taacgtgaca caatggaaag 60
actggaaacac ataccacacat cttgtttctg agggataatt ctctgataaa gtcttgctgt 120
atatccnagc acatatgtta tatattcttc agttccatgt ttatagccta gtt 173

<210> 148

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&lt;211&gt; 477

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(477)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 149

acaacacactt	tatctcatcg	aatttttaac	caaaactcac	tcactgtgcc	tttctatcct	60
algggataata	ttatitgatg	ctccatttca	tccacacatat	atgaataata	cactcatact	120
gcctbactac	ctgctgnaat	aatcacattc	ccttctctgtc	ctgaacctga	agccattggg	180
gtggtcctag	tggccattcag	tccangcctg	caacttgagc	ccttgagctc	catggctcac	240
nocanccca	ctccacggac	ccatctctctt	acacagctac	ctccttgcct	tctaaccccc	300
tagattatnt	ccaaattcag	tcaattaaat	tactattaac	actctacccg	acatgtccag	360
caacactggt	aagctctctc	cagccacacac	acacacacac	acacacacac	aacacacatat	420
ccgggcacag	gtcaactcat	cttcaaatc	ccccctttaa	ctccatgct	atgtgtg	477

&lt;210&gt; 149

&lt;211&gt; 207

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 149

acagtgtgat	tataatatca	agaaataaac	ttgcaatcag	agcatcctaag	agggagaagc	60
taacgtattt	tagaagacca	aggaagcttt	ctgtggggag	tgggatgtaa	ggctggggcct	120
gatgataaat	aagagtcagc	caggtaaagt	gggtgggtgg	tatgggcaca	gtgaagaaca	180
tttcaaggcag	agggaaacagc	agtgaaa				207

&lt;210&gt; 150

&lt;211&gt; 111

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(111)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 150

accttgattt	cattcctgct	ctgatggaaa	cccaactcac	taatttagct	aaaacatggg	60
cacttaaatg	tggtcagctg	ctggacttgt	taactantgg	catctttggg	t	111

&lt;210&gt; 151

&lt;211&gt; 196

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 151

agcgccgacg	gtcatattga	acattccaga	taacctatcat	taactgatgc	tgttgataac	60
agcaagatgg	ctttgaactc	agggtcacca	ccagctatctg	gaccttaacta	tgaataacat	120
ggataccac	cggaaaaccc	ctatcccgca	cagcccaactg	tgggtccccc	tgcttacagag	180
gtgcatccgg	ctcaggt					196

&lt;210&gt; 152

&lt;211&gt; 132

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 152

acagcacttt cacatgtaag aaggagagaa ttccaaatg taggagagaag ataacagaaac	60
cttccctttt tcatctagtg gtggaaacct gatgctttat gttagacaga atagaaccag	120
gaggagattt gt	132

&lt;210&gt; 153

&lt;211&gt; 285

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(285)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 153

acaanaccca nganaggcca ctggcctggt tgtcatggcc tccaaacatg aaagtgtcag	60
cttctgctct tatgtcccca tctgacaact ctttaccatt ttatccctcg ctacagcagg	120
gcacatcaat aaagtccaaa gtcttggact tggccttggc ttggagggaag tcatcaaac	180
cctggctagt gagggtgagg cgcgcctcct ggatgacggc atctgtgaag tctgtcacca	240
gtctgacggc cctgtggaag cgcgcctccac acggagtnag gaatt	285

&lt;210&gt; 154

&lt;211&gt; 333

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 154

accacagtcc tgttggggcca gggcttcatt accctttctg tgaaaaagcca tcttatcacc	60
accccccaatt ttctcttaaa tatcttttaac tgaagggggt agcctcttga ctgcaaaagac	120
cctaaagcgg ttacacagat aactcccaat ggccctgatt tggcaaatg ctgtctgctg	180
atgggcacag gagtccgaag tgtttagctc cctctctcgg tggaaagaga ctctgatttg	240
agtctcaca atctcgggg caactcgtca ttgctctctt gaaataaaat ccggagaatg	300
gtcaggcctg tctcatccat atggatcttc cgg	333

&lt;210&gt; 155

&lt;211&gt; 308

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(308)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 155

actggaaata ataaaaccca cctcacagtg ttgtgtcaaa gatcacagg gcatggatgg	60
gaaagtgtct tgggaactgt aaagtgccta acccatgata gatgattttt gtacataaat	120
ttgaatcaag gtgcatacaa actctcctgc ctgctctctc tgggacccag ccccaagccc	180
atcacagctc actgctctgt tcatccagg ccagcatgta gtggctgatt ctctctggct	240
gcttttaggc tccaaagtt tctctgaagc caacccaaac tctangtga aggcctgctg	300
gcccgtgt	308

&lt;210&gt; 156

&lt;211&gt; 295

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 156

aacctgctcg	gtgcttggaa	catattagga	actcaaaata	tgagatgata	acagtgccta	60
ttattgatta	ctgagagaac	tgttagacat	ttagttgaag	attttctaca	caggaactga	120
gaatagagga	tatctgttgg	cctcatatt	ctctctatc	ctccttgcct	cattctatgt	180
ctaataatt	ctcaatacaa	taagggttag	ataatcagga	aatcgaccaa	ataccaatat	240
aaaaccagat	gtctatcttt	aagatttca	aatagaanaa	aaattacag	actat	295

&lt;210&gt; 157

&lt;211&gt; 126

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 157

acaagtttaa	atagtgtgt	cactgtgcat	gtgtgaaat	gtgaaatcca	cccatctct	60
gaagagcaaa	acaaatctgt	tcattgaatc	ctctatcttg	gtcgtgggtt	tactgtctcc	120
cttagt						126

&lt;210&gt; 158

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(442)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 158

aacctgtgt	cttggaaaca	cccatctcta	atacagcat	ttttctgtcg	tgtgaaagt	60
aacctagagt	gtgtccctca	gtcagtcctt	ccttccagag	aaaaagagat	ttaggaaagt	120
gctctgggtta	ttccaccata	atttctctcc	ccaaactctc	tgagttcttc	cttaatatit	180
ctgggtgttc	tgacccaagc	aggtcatggt	ttgttgagca	tttgggagtc	cagtgaagta	240
natgttttga	gcttctgata	cttagccctt	cccaagcaca	aacggagtgt	caggtgtgtg	300
ccaaacctgt	tttccagtc	caagttagaa	gattccagat	gcggaattct	ggaagctgga	360
nacagacggg	ctcttttgcg	agcggggact	ctgagangga	catgagggtc	ctgtcctctg	420
tgttcattct	ctgatgtctt	gt				442

&lt;210&gt; 159

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(498)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 159

acttccaggt	aacgttgttg	tttccgttga	gcttgaacct	atgggtgacg	tgttaggttc	60
tccaaacaaga	actgaggttg	cagagccggg	aggggaagagt	gctgttccag	tgtcaccttgg	120
gctgctgttg	actgttgttg	attctccact	acggcccaag	gttgtggaac	tggcnaaaag	180
gtgtgtttgt	gganttgagc	tggggcgggt	gttgttgtgt	gtgtgtctct	caacaggggc	240
tgtgtgtgtg	cggggaggtg	aaggtgttgt	gtcaccttgc	cttggccagc	ctcggaaagt	300
antantattc	tccgcaagtc	cagcgttgtt	ggagcttgga	gggttcantg	tgtgtgttaa	360
cgaaacaggt	ctgctgtggg	tgggtgtana	tcttccacaa	agcctgaagt	tatgtgtctc	420
tcaggtaana	atgtgttttc	agtgtccctg	ggcngctgtg	gaaggttgtta	nattgtcaac	480

```

aagggaataa gctytggt                                498

<210> 160
<211> 380
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)... (380)
<223> n = A,T,C or G

<400> 160
acctgcacac agcttccctg ccaaacctcac aaggagacat caacctctag acagggaaac      60
agcttcaggga tacttccagg agacagagcc accagcagca aaacaaatat tcccatggtc      120
ggagctctggc atagagggaag ctganaaatg tggggctctga ggaagccatt tgagtctggc      180
caactagacac ctacatagcc acttgctgtga agaggtgtccc catgacccca gactgctctc      240
ccacctttac ctccatctca cacacttgag ctttccactc tgtatattc taacatctctg      300
gagaaaaatg gcagtttgac cgaacctgtt cacaacgcta gaggtgtatt tctaacgaaa      360
cttgtagaat gaagcttgga                                380

<210> 161
<211> 114
<212> DNA
<213> Homo sapien

<400> 161
actccacac cccctcgaag aggcgggtgt cgttccagggt gtatttggcc ctgcctctca      60
cactgtccac tggcccttta tccacttggc gcttaatccc togaagagc atgt          114

<210> 162
<211> 177
<212> DNA
<213> Homo sapien

<400> 162
actttctgaa tcgaatcaaa tgatacttag tgtagtctta atatctctcat atatatcaaa      60
gtcttactac ttgtataatt tcttaaacca ggtaaacaga acatccagtc atacagcttt      120
tgggtataka taacttggca ataaccagat ctggtgtatac ataaaaactac tcaatgt      177

<210> 163
<211> 137
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)... (137)
<223> n = A,T,C or G

<400> 163
cattttatata gacaggcggt aagacattca cgcacaaaac gogaaattct atocccgtgac      60
canagaagge agctacgggt actcctacat cctggcgctgg gtggccttcg cctgcacott      120
cctacagcgc atgatgt                                137

<210> 164
<211> 469
<212> DNA

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<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 164
cttatccaaa tgaatgttct cctgggcagc gtgtgtatct ttgccacctt cgtgacttca      50
tgcacgcat catgctatct caracctaat gaggagattc caggagattc aaccaggaaa      120
tgcattgcat tcaaggaaaa caaacaccca ataaactcgg agtggcagac tgacaactgt      180
gagacatgca cttgtacga aacagaaatt tcaatgttgc acctgttttc tacacvtgtg      240
ggttatgcga aagacaaact ccaagaatc ttcaagaaag aggaactgaa gtatatcgtg      300
gttgagaaga aggacccaaa aaagacctgt tctgtcagtg aatggataac ctaatgtgtc      360
tctagttagc acagggtctc caggccaggc ctcatctcgc tctggcctct aatagtcact      420
gattgtgtag ccatgcttat cagtaaaaaa atntttgagc aaacacttt      469

<210> 165
<211> 195
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(195)
<223> n = A,T,C or G

<400> 165
acagtttttt atatatatcg acattgcagg caettgtgtt cagtttata aagctgtgtg      60
atccgtgtgc atccactatt ccttggctag agtaaaaatt attcttatcg cccactgtcc      120
tgcaggcggc cggccvgtg ttctcgttcc agtcgtcttg gowacaggg tgcacggact      180
tctctgaga tgaat
tctctgaga tgaat      195

<210> 166
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 166
acactcttag agctgtggca atcagggggc catcagggtc acagtcaact atagcctcgc      50
cgaggttggg gtccacacca ccgggtgtagg tctgtctaat ctgtggcttg ggcgccacct      120
ttggggaagg gatatgctgc acacacatgt ccaacaaggc tctgaactcg ccaagaattt      180
tttgcagacc agcctgagca agggggggat gttcaggttc agctcctcct tctgcaggtg      240
gatgcacacc tctctatagg tccgtgggaa gctgggtgct acntcaanta caactgggc      300
gagatcttta taagagaggt ccaagataaa ctccacgaaa ctctctctgg agctgtctag      360
nggggccttt ttgtgaact ttc
nggggccttt ttgtgaact ttc      383

<210> 167
<211> 247
<212> DNA
<213> Homo sapien

<220>

```

```

<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 167
acagagccag acccttgcca taaatgaand agagattaag actaaacccc aagtcgenat      60
tggagcagaa acccttgcca gaagtgggoc tggggctgaa gtagagacca aggcacactgc    120
tatancata cacagagcca accctcagggc caagggcnatg gttagggcag anccagagac    180
tcaatctgan tccaaagctgg tggctgggaac acitggctatg acnaaggcag tgactctgac    240
tgangtc                                           247

<210> 168
<211> 273
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(273)
<223> n = A,T,C or G

<400> 168
actttcaagt tttctagaag tgggaaggatt gtantcatcc tgasaatggg ttactctcaa      60
aatccctcan ccttgcttct cactactgtc tatactgana gtgctatgtt tccacaaagg    120
gctgacacat gagcctgnat ttctactcat ccttgaaaaa ccttttcag taggggtgggc    180
aatcccaac ttccttgcca caagcttccc aggttttttc ccttgaaaaa ctccagcttg    240
agtccagat acactcatgg gctgcctctgg gca                                           273

<210> 169
<211> 431
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 169
acagccttgg cttcccccac ctcacagctc taagtgcaga aagatcatct tccacagctc      60
agctcagacc egggtccaaag gatgtgacat caacagtttc tggtttcaga acagggttcta    120
ctactgtcaa atgaccccc atacttccctc aaaggctgig gtaagttttg cacagggtgag    180
ggcagcagaa aggggggtant tactgatgga caccatcttc tctgtatact ccacactgac    240
cttgccatgg gcaaaaggcc ctaccacaaa aacaatagga tcaatgctgg gcaccagctc    300
acgcacatca ctgacacacg ggatggaaaa ggaantgcca actttcctac atccaaactgg    360
aaagtgtctt gatctggat tcttaactac ctccaaaagg tcttgggggc catcagctgc    420
tcgaacactg a                                           431

<210> 170
<211> 266
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

```

```

<400> 170
acctgtggggc tgggtgtgtta tgcctgtgccc ggcctgtgaa agggagttca gaggtggagc    60
tcaaggagat cggcaggcat tttgccaaac ctctccanag canagggagc aacctacat    120
ccccgttaga aagacaccag attggagttc tgggaggggg agttgggggtg ggcatttcat    180
gtatcttgt cacttgaatg aangagccag agaggaanga gacgaatatg anattggcct    240
tcaaatgtag ggggtgtgga ggtgga    266

```

```

<210> 171
<211> 1248
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(1248)
<223> n = A,T,C or G

```

```

<400> 171
ggcagccaaa tcaataaacg cgaggactgc agcccgcaat cgcagccctg gacgggggaa    60
ctggctcagg aaaaacgaat gtctctgttg ggcgtctctg tgcctccgca gtcgggtgctg    120
tcagagcgac actgtttcca gaagtggagt cagagctctct acaccatcgg gcggggcctg    180
cacagtcttg agcgcgacca agagccaggg agccagatgg tggagggcag cctctccgta    240
cggcaccocag agtanaacag acctttgtct gctaacgacc tcatgtctcat caagtgtgag    300
gaatccgtgt ccagagtctga caaatccgg agcatcagca ttgotttcga gtcgctatcc    360
ggggggaact ctgtgctgt tctctggctgg ggtctgctgg cgaacggcag aatgctatcc    420
gtcgtcagat gctgtgaact gtctgggtgg tctgaggagg tctgagatga gctctatgac    480
ccgtgtcac accccagcat gttctggccc ggcggagggc aagaccagaa ggaactctgc    540
aacgtgtact ctggggggcc cctgatctgc aacgggtact tgcaggggcct tgtgtcttcc    600
ggaaaagccc cgtgtggcca agtggcgtg ccagggtctt acaccaaact ctgcaaatcc    660
actgagttag tagagaaaac cgtccaggcc agttaactct ggggacttggg aacctcatga    720
attgaccccc aaatacatct tgaggaaagg attcaggaaat actgtgttcc agccctctct    780
cctctaggcc caggagtcca ggcctccagg cctctctccc tcaaaccaag ggtacagatc    840
cccagccctc cctccctcag acccaggagt ccagaccccc cagcctctcc tccctcagac    900
ccaggagtcc agccctctct cctccagacc caggagtcca gaccccccag cctctctccc    960
ctcagaccac ggggtccagg cccccaacct ctctctctct agactcagag gtcccaggcc    1020
ccaaccttct attccccaga cccagaggct cagggtccag cccctctctc ctccagacca    1080
gcggtccaat gccacctaga ctctccctgt acacagtgcc ccttctgtgg acgttgacc    1140
aaccttcaat gttggttttt catctttngt cctcttcccc tagatccaga aatcaagttt    1200
aagcagagng caaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa    1248

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<210> 172
<211> 159
<212> PRT
<213> Homo sapien

```

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<220>
<221> VARIANT
<222> (1)...(159)
<223> Aaa = Any Amino Acid

```

```

<400> 172
Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro
1           5           10           15
Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser
20           25           30
Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr
35           40           45
Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly

```

50		55		60
Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu				
65	70	75	80	
Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe				
	85	90	95	
Cys Ala Gly Gly Gly Gln Xaa Gln Xaa Asp Ser Cys Asn Gly Asp Ser				
	100	105	110	
Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe				
	115	120	125	
Gly Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn				
	130	135	140	
Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser				
145	150	155		

&lt;210&gt; 173

&lt;211&gt; 1265

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)...(1265)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 173

ggcagccgcg actgcagcgc ctggcagcgc gcaactggcgc tggaaaacga attgttctgc	60
tggggcgctc tgggtgcaccc gcaagtgggtg ctgtcagcgc caactgtttt ccagaactcc	120
tacacccatcg ggcctgggctt gcacagctct gaggccgacc aagagccagg gagccagatg	180
gtggaggcca gccctctcgt acggcaccga gactacaaca gaccccttgc cgtacaagac	240
ctcatgtcca tcaagtctga gcaatccgtg tccagctctg acacccatcc gagcctcagc	300
atgtcttcgc agtgcctcac cgcggggaaac tcttgcctag ttctggctg ggtctctg	360
gcgaacggcg agctcacggg tgtgtgtctg cctctctcaa gggaggtccc tgcaccatcg	420
cggggcgctga cccagagctc tgggtcccg gcagaatgca taccgtgctg cagtgcgtga	480
angtctgggt ggtgtctgag gaggctctga gtaagctcta tgaaccgtg taccaccoca	540
gcattgtctg cgcggcgga ggcacagacc agaaggactc ctgcacaggt gactctgggg	600
ggcccttgat ctgcacggg tacttgcagg gccctgtgtc ttctggaaaa gccctgtgtg	660
gccaaagtgg cgtgccaggt gtctacacca aactctgcga attcactgag tggatagaga	720
aaacgctcca ggcacgttca cctcggggac tgggaaccca tgaattgac ccccaaatc	780
atctctgga aggaattcag gaatatctgt tccagccccc tcttacctca ggcctcaggag	840
tccagccccc cagccctcac tccctcaaac caagggtaca gatcccccgc cctctctccc	900
tcagaccagg gactccagg ccccccagccc cctctctctc agaccatagg gtccagcccc	960
tctctctca gacccaggag tccagacccc ccagcccccc ctccctcaga cccaggggtt	1020
ggggccccca accctctctc ctccagagtc agaggtccaa gcccccacac cctgttcccc	1080
cagaccacga ggttnagggt ccagcccccc tctctcaga cccagnggtc caatgcaccc	1140
tagattttcc ctgnaccag tgcctccctt tgganagttg acccaacatt accagttggt	1200
ttttattttc tngtcccttt cccctagatc cagaataaaa gtttcaagaga nnggcacaaa	1260
aaaaa	1265

&lt;210&gt; 174

&lt;211&gt; 1459

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)...(1459)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 174

gggtcagcgcgc	acactgtttc	cagaagtgag	tgcagagatc	ctacaccatc	gggctcgggc	60
tgcacagtcct	tgaggccgac	caagagccag	ggagccagat	gggtggggcc	agcctctccg	120
tacggcaccoc	agagatacac	agacccttgc	tgcgtacaga	cctcatgtct	atcaggttgg	180
acgaatccgt	gtccagagtc	gacaccatcc	ggagcatcag	cattgcttcg	cattgcccac	240
cggcgagggaag	ctcttgctcc	gtttctggct	gggtctctgc	ggcgaaacgt	ggcttcacgg	300
gtgtgtgtct	ggcctcttca	aggaggtctc	ctgcaccatc	gcggggggctg	accagagct	360
ctgtgtctcc	ggcagaatgc	ctaccgtgct	gcagtgctgt	aaagtgctgg	tgtgtcttga	420
agaggtctgc	antaagctct	atgaccctgc	gtacccccc	aaactgttct	ggcgccggcg	480
agggcagagac	cagagagct	cctgcacagt	gagagagggg	aaagggggagg	gcaggcgact	540
cagggaaggag	tggagagagg	ggagacaggag	acacacaggg	cgcgtatggc	agatggagag	600
atggagagac	acacaggggag	acagtgacaa	ctagagagag	aaactgagag	aaacagagaa	660
ataaacacag	gaataaaggag	aagcraaggga	agagagagaa	agaaaacagac	atgggggagcg	720
agaaaacacac	acacatagaa	atgcagttga	ctctcccaac	gcattggggcc	tgagggcggt	780
gacctccacc	caatagaaaa	tctctctata	acttcttgact	ccccaaaaac	ctgactagaa	840
atagctctact	gttgacgggg	agctcttacc	ataacataaa	tagtgattt	atgcatacgt	900
tttatgtact	actgatatac	ctttgttggg	actttctgat	atttttaagc	tacacagttc	960
gtctgtgact	tcttttaaat	tgttgcacac	ctctcaaaat	ttttctgatg	tgatttatbga	1020
aaaaatccaa	gtataagttg	acttgtgcat	tcaaaaacagg	gtttgtccag	ggcctaaactg	1080
gtccccagag	ggaaacagtg	acacagattc	atagaggtga	aacacgaaga	gaaacaggaa	1140
aaatcaagac	tctacaaaga	ggctgggcag	ggtcgtctga	gcctgtatac	ccagcacttt	1200
ggggggcagag	gcaggccagat	cacttgaggt	aaggagttca	agacccagcct	ggccaaaaatg	1260
gttaaatccct	gtctgtacta	aaaatacaaa	agtttagctgg	atacgttggc	agcgccctgt	1320
aatccagact	acttgggggg	ctgaggcagg	agaattgtct	gaatatggga	ggcagaggtt	1380
gaagtgtggt	gagatcacac	cactatacto	cagctggggc	aaacagagtaa	gactctgtct	1440
caaaaaaaa	aaaaaaa					1499

&lt;216&gt; 175

&lt;211&gt; 1167

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(1167)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 175

ggcagccctc	ggcagggggc	actggtcatg	gaaaacgaat	tgttctgtct	gggctcctg	60
gtgtcatcgc	agtggtgtgt	gtcagccgca	cactgtttcc	agaaactcca	caccatcggg	120
ctctgccttgc	acagttcttga	ggcggaccaa	gagccaggga	gacagatagg	ggaggccagc	180
ctctcgttac	ggcccaccga	gtacaaaga	ctcttgcctg	ctaacgcctc	cactgtctatc	240
aaagtgtgagc	aatccgtgtc	caggtctgac	accatccgga	gcataagcat	tgtctcggag	300
tgccttaccg	cggggaaact	tgtcctcgtt	tctggtctgg	gtctgtctgg	gacgcgcaga	360
atgcctaccg	tgtcgtactg	cgtgaaagtg	tccgtggtgt	ctgaggagtg	ctgcagtaag	420
ctctatgacc	cgttgttacc	cccagacatg	tctctgcctg	ggcgaggcca	agacacagag	480
gaactctgca	cagtgacttc	tggggggccc	ctgactctga	aagggtagct	gcaggggcctt	540
gtgtctcttc	gaaaagccnc	gtgtggccaa	cttggcgtgc	cagggtgtct	ccccaaactc	600
tgcgaattca	ctgagtgtgt	agagaaaaac	gtccagncaa	gttaactctg	ggagactggga	660
accctacaaa	ttagacccca	ataatattct	gggggaangaa	ttaggaataa	tctgttccca	720
ggccctctct	cctcaggccc	aggagtcag	gcgccagcc	notcctccct	caaaccaagg	780
gtacagatcc	cagcggccct	ctcctccaga	cccaggagtc	cagacccccc	agccctctct	840
ccntcagac	caggagttcc	gccctccctc	cttcagagcc	agggagtcag	acccccagag	900
ccntctccg	tccagaccag	gggttgaggg	cccacaaccc	ctctctctct	gagtcagagc	960
tccagccccc	caacccctct	tcccacagac	ccagaggttnc	aggttccagc	actctctccc	1020
tccagccccc	cggctccagt	ccacctagan	tttcccttga	cacagtgccc	ccttctggga	1080
ngttgaccca	accttaccag	tgtgtttctc	attttttgtc	ccttttccct	agatccagaa	1140
ataaagtnta	agagaggggc	aaaaaaa				1167

<210> 176  
 <211> 205  
 <212> PRT  
 <213> Homo sapien  
 <220>  
 <221> VARIANT  
 <222> (1)... (205)  
 <223> Xaa = Any Amino Acid

<400> 176  
 Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp  
 1 5 10 15  
 Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu  
 20 25 30  
 Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val  
 35 40 45  
 Gln Ala Ser Leu Ser Val Arg His Pro Gln Tyr Asn Arg Leu Leu Leu  
 50 55 60  
 Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser  
 65 70 75 80  
 Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly  
 85 90 95  
 Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met  
 100 105 110  
 Pro Thr Val Leu His Cys Val Asn Val Ser Val Val Ser Glu Xaa Val  
 115 120 125  
 Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala  
 130 135 140  
 Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly  
 145 150 155 160  
 Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys  
 165 170 175  
 Ala Pro Cys Gly Gln Leu Gly Val Pro Gly Val Tyr Thr Asn Leu Cys  
 180 185 190  
 Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Xaa Ser  
 195 200 205

<210> 177  
 <211> 1119  
 <212> DNA  
 <213> Homo sapien

<400> 177  
 ggcacacacg agccctggga ggcggcactg gtcactggaaa acgaattggt ctgctcgggc 60  
 gtctgtgtgc atccgagatg ggtgctgtga gccgcacact gttccacaga ctctacacac 120  
 atcgggtctg gctgcacagc tcttgaggcc gaccacagagc caggagacca gatgtggag 180  
 gccagctctc ccgtacggga ccacagatgc aacagacact tgcctgctaa gacctccatg 240  
 ctcatcaagt tggagcaatc cgtgtcagag tctgacacca tccggagcat cagcattgct 300  
 tgcagtgccc ctacgcgggg gaactcttgc ctggtttctg gctgggtgtc gctggcgaac 360  
 gatgctgtga ttgcacacca gtcccagact gtgggaggct gggagtgtga gaagctttcc 420  
 caacccctgc aggggtgtac cattctggga acttccagtg caaggacgbc ctgctgcctc 480  
 ctactcgggt gtctcactac gctcactgca tccctcggaa cactgtgata aactagccag 540  
 ccccaagctt ccccgaaagc agacatacat gattactgtg ttgactgtgc tgtctacagt 600  
 actaaccaat ccgaagtta ggtgaatta ccgctacett gccctaacca tcttggtatc 660  
 cagtaactct cactgaatg agattctctg ctccagtgtc agccattccc acataatttc 720  
 tgcactacag aggtgagga tcatatagct ctccaaggat gctgggtactc ccttcacaaa 780

```

ttcatttctc ctgtttagt gaaaggtgcy cccatggag cctcccaggy tgggtgxcga      840
gggtcaaatg atgaatgat gatcgtgttc ccattaccga aagcctttaa atccctcarg      860
ctcagtaaac dagggaggt ctagcatttc ttcatcttagt gtatgctgtc cattcargca      880
acccctcag gactctcggg ttctctgctt agttgagctc ctgcatgctg cctcctcggg      900
gaggtgaggg agagggccca tggttcaatg ggatctgtgc agttgtaaca cattaggtgc      920
ttataaaca gaagctgtga tgttaaaaaa aaaaaaaaaa      940

```

&lt;210&gt; 178

&lt;211&gt; 164

&lt;212&gt; PPT

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(164)

&lt;223&gt; Xaa = Any Amino Acid

&lt;400&gt; 178

```

Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
1      5      10      15
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
20      25      30
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
35      40      45
Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
50      55      60
Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
65      70      75      80
Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
85      90      95
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Val
100      105      110
Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu
115      120      125
Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg
130      135      140
Thr Ser Cys Cys Ile Leu Thr Gly Cys Ser Leu Leu Leu Thr Ala Ser
145      150      155      160
Pro Gly Thr Leu

```

&lt;210&gt; 179

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 179

```

ctggagtgc ttggtgttc aagccctgc aggaagcaga atgcaccttc tgaggcacct      60
ccagctgcgc ccggccgggg gatgcgaggc tgggaacacc ctggccgggc tgtgattgct      80
gcaagggcact gttcatctca gctttctgt ccttttctc ccggcaagag ctctcctctga      100
aagttcaat ctggagcctg atgtcttaac gastaaggt cccatgctcc acccgaaaaa      120
aaaaaaaaa                                     250

```

&lt;210&gt; 180

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

<400> 180  
actagtcacag tctgtgtggaa ttccattgtg tggggcccaa caaatgggct aactttaaca 60  
tcaccacagac ccgcgccctg ccgtgcccc ccgtgtctgc taacgacagt atgatgcta 120  
ctctgtact cggaaactat ttttatgtaa ttaatgtagt cttctctgtt tatasatgac 180  
tgatttaaaa aaaaaaaaaa aa 202

<210> 181  
<211> 558  
<212> DNA  
<213> Homo sapien  
  
<220>  
<221> misc\_feature  
<222> (1)... (558)  
<223> n = A,T,C or G

<400> 181  
tccttctggt naggtttkkg agacameock agacctwaan ctgtgtcaca gacttcyngg 60  
aatgttttagg cagtgttagt aattleytgg taatgattct gttattactt tctnattctt 120  
tattctctct tctctctgaa gattaatgaa gttgaaaatt gaggtgggata aatacaaaaa 180  
ggtagtgtga tagtataagt atctaagtcg agatgaaggt ggtttatata tatccattca 240  
aaattatgca agtttagtaat tcttcagggt taactaattt actttaactt gctgttgaa 300  
ctactctgtt cctcggctag aaaaaatttt aaacaggact tctgttagttt gggagaccaa 360  
attgataata tctcattgtc taaaagtgtg gctatacata aattatttag aatatggaw 420  
ttttattccc aggaatatgg kgttcatttt stgaattata cccgggatag awgtwtgagt 480  
aaaycagtt tctgtwataa ygtwaatatg tcmataataa acaakgcttt gacttatttc 540  
caaaaaaaa aaaaaaaa 558

<210> 182  
<211> 479  
<212> DNA  
<213> Homo sapien  
  
<220>  
<221> misc\_feature  
<222> (1)... (479)  
<223> n = A,T,C or G

<400> 182  
aacgggwttk ggggatgcta agaccnrga rwtggtttga tccaaacctg gottwttttc 60  
agaggggaaa atgggggcta gaagttacag mscatytagy tgggtgcggtg gcaccctctg 120  
ctcacacagc astcccgagt agctgggaat acgggcacac agtcactgaa ccaggccctg 180  
ttwcaatttc agtttgccac ctccaaactta aacattcttc atatgtgatg tctctagtca 240  
ctaaaggttaa actttccac ccagaaaagp caacttagat aaaaacttag agtactttca 300  
taactacta agtctctctc cagctctact kkgagctctm cyrsgggggtt gataggaant 360  
ntctctaggt tctctcaata aartctctat ycaatctatg ttaactcttg taagcatara 420  
awgtgtgata aacttaaaat gttctgggtt mactttgaaa aaaaaaaa aaaaaaaa 479

<210> 183  
<211> 384  
<212> DNA  
<213> Homo sapien

<400> 183  
agcggggagc agaagctaaa gccaaaagccc aagaagagtg gcagtgccag cactgggtgc 60  
agrtaccagta ccaataacag tgcagtgccc agtgccagca ccagtggttg ctctagtgct 120  
gggtgcagcc tgacccgcac tctcaaatct ggggtctctg ctggccttgg tggagctagt 180  
gcacgaccca gtggcagctt tgggtgctgt ggtttctctt ccaagtgaga ttttagatat 240



tgtaattcct	gacagttctt	ctcttcagc	caggggtgat	ctctcagaaac	ctactcaaca	300
cagactctta	ggagagcact	atcaatcaat	tgaagttagc	actctgcatt	aratctattt	360
gccatttcaa	aaaaaaaaaa	aaaa				384

&lt;210&gt; 184

&lt;211&gt; 496

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(496)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 184

accgaattgg	gacccgtggc	ttataagcga	tcattgttyn	cctgtatcac	ctcaacgagc	60
agggagatgg	agctctatag	ctgaagaaat	ttgaacccat	gggaacaaac	acctgcacag	120
cccatctcgc	tgggtttctc	ccagatgaca	aatactctag	acacagaatc	acctcaaga	180
aaagcttcaa	ggtgtctatg	aacccagcaac	cggagcctgt	ctctgagggg	ttccttaaac	240
tgaigtcttt	tctgcacact	gttacccttc	ggagactcgg	taaccaaact	cttcggactg	300
tgaagcctga	tgcctttttg	ccagccatag	tctttggcat	ccagctcttc	gtggcgattg	360
attatgcttg	tgtgaggcaa	tcattggtgc	atcacccata	aagggagac	atttgccttt	420
tttttccat	abtttaaat	actacmagaw	tattmawag	aaatgawtt	gaaaaaactt	480
taaaaaaaa	aaaaaa					496

&lt;210&gt; 185

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 185

gctggtagcc	tatggcgkag	cccacggagg	ggctcctgag	gcacaggac	agtgacttcc	60
caagtatctt	gagcagcgtc	ttctacccgt	cttaacttga	gactcttggg	agatctccct	120
aggaggacat	ggagcttgcc	ctcatggagc	acagcaactg	ytcttgggag	cccgctctct	180
ggggacaccc	ttctggggcc	caggcgggca	cttgcgtctc	ccagtatgac	aaactggctg	240
tgggtgctgt	ctctgtctac	ttctgtctcg	tggcccaact	ctgtgtgttc	aactgtctca	300
ttgcactgtt	cagttacaca	ttggcacaag	tacagggcac	cagcatcttc	tactgggaag	360
ggcagcgttt	accgctctat	cagg				384

&lt;210&gt; 186

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(577)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 186

gagttagctc	ctccacaacc	ttgatgaggt	cgctcagagt	ggcctctcgc	ttcataccgc	60
ttccatcgtc	atactgttag	tttgccacca	cgtccctggc	tctttggggc	gcttaaatatt	120
ccaggaaact	ctcaatcaag	tcacgtctga	tgaacactgt	gggtctgttc	tgctctccgc	180
tgggtgtgga	aggaatctcc	agaaggagtg	ctcgtctctc	ctccacattt	tgatgacttt	240
atggagctga	ttctgcatgt	ccagcaggag	gttgtaccag	ctctctgaca	gtgaggtcac	300
cagccctatc	atgcctgtga	mogtgcogaa	gacacccag	cctctgttgg	gggkgaagt	360
ctcaccnaga	ttctgcatta	ccagagagcc	gtggcaaaag	acattgacac	actgcgccag	420
gtggaaaaag	amcactctct	ggagtgtctn	gtgcctcttc	gtcgtgtgtg	ggcagcgttc	480